

Fig. 2A

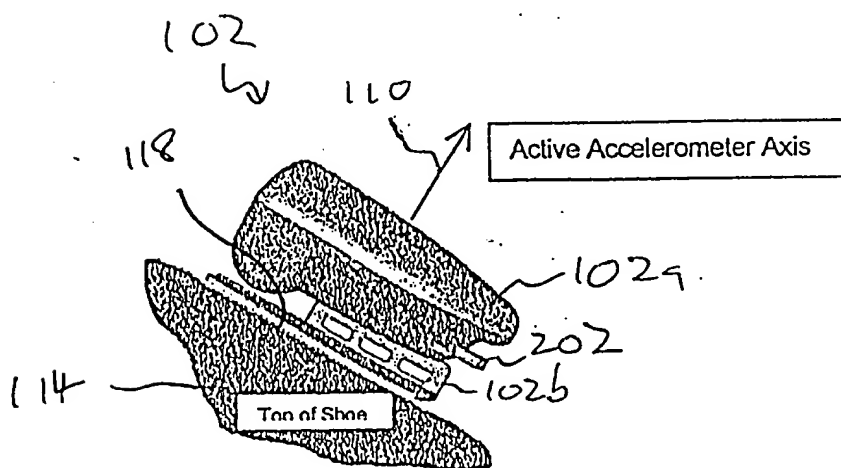


Fig. 2B

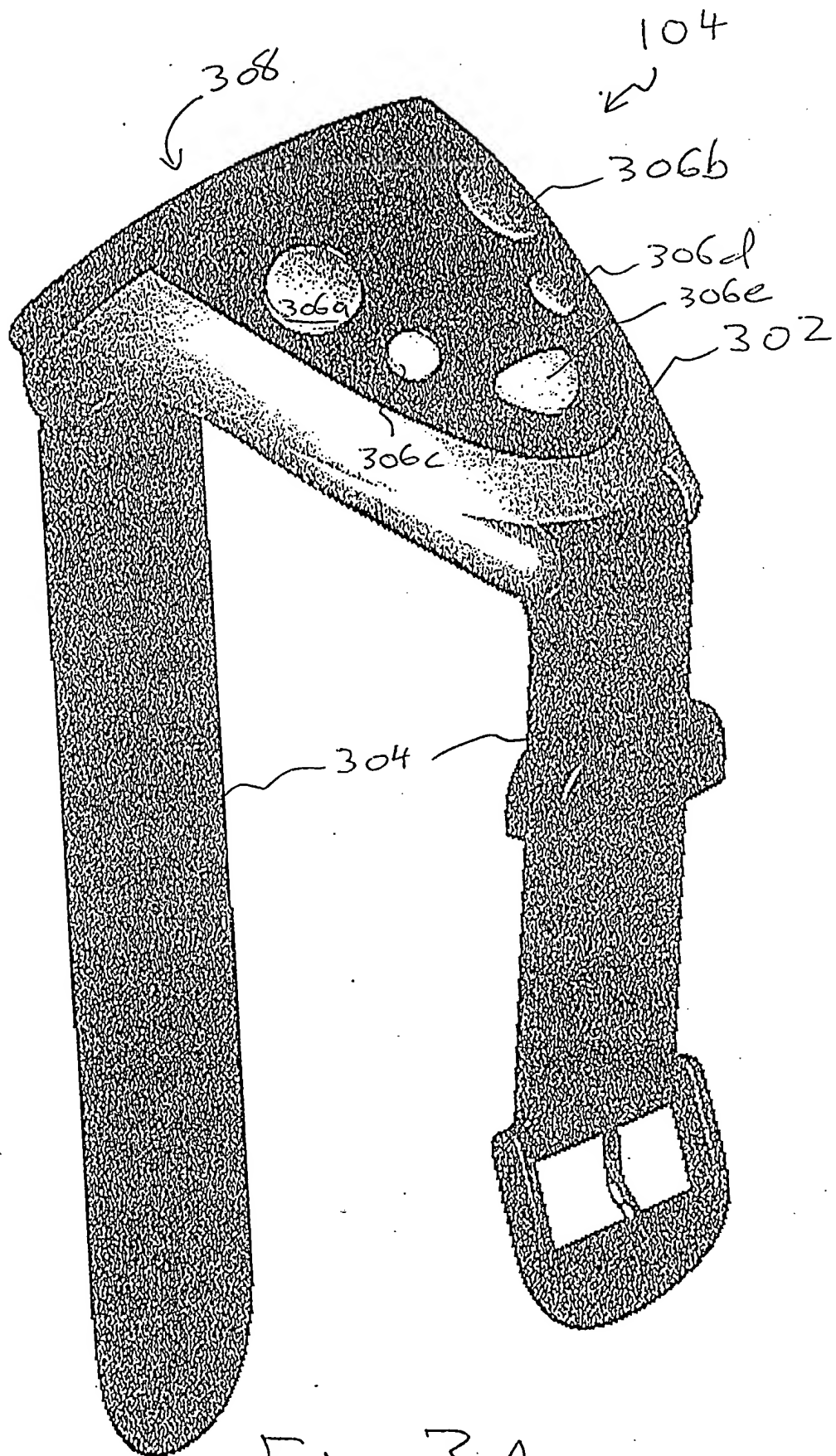


Fig. 3A

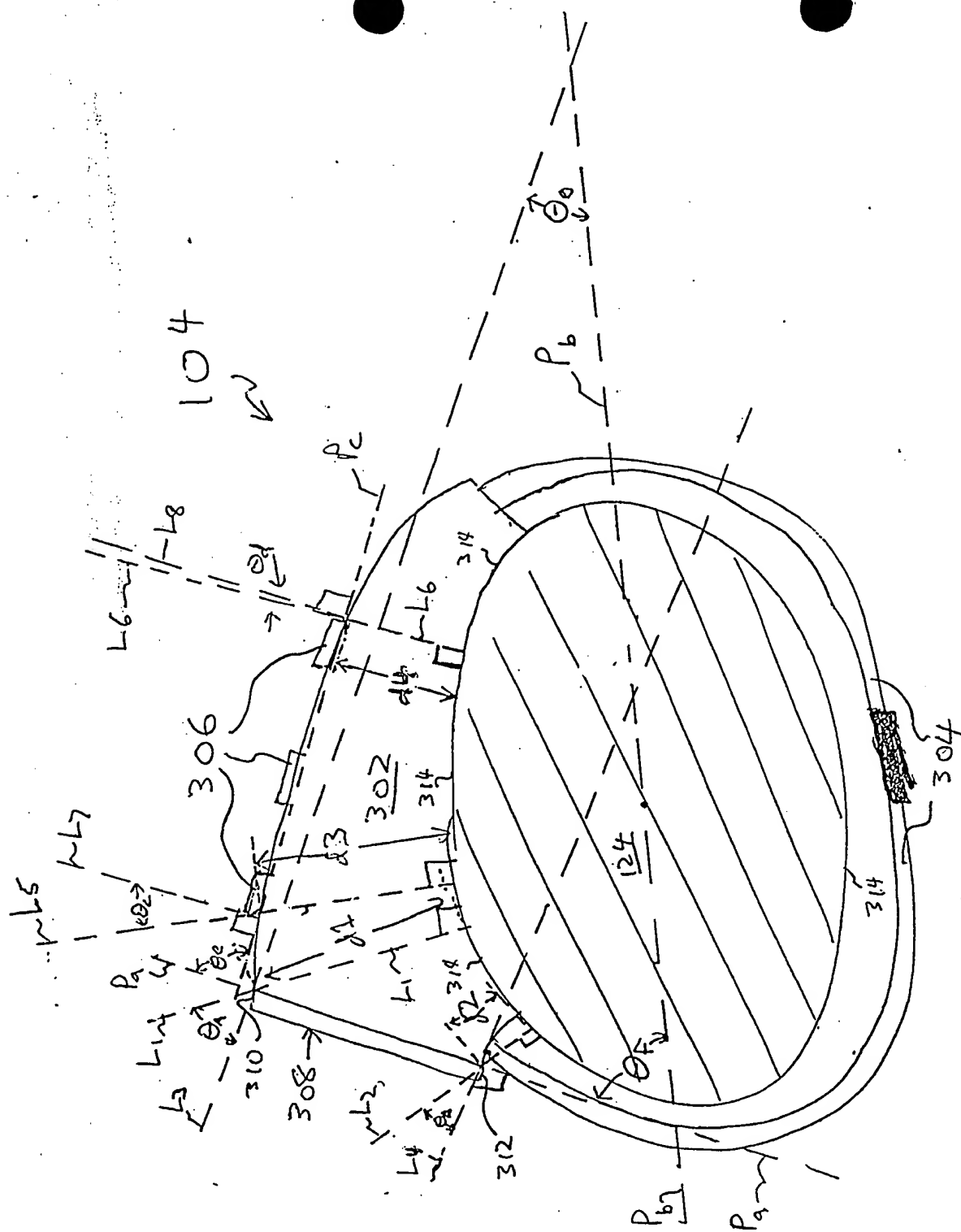
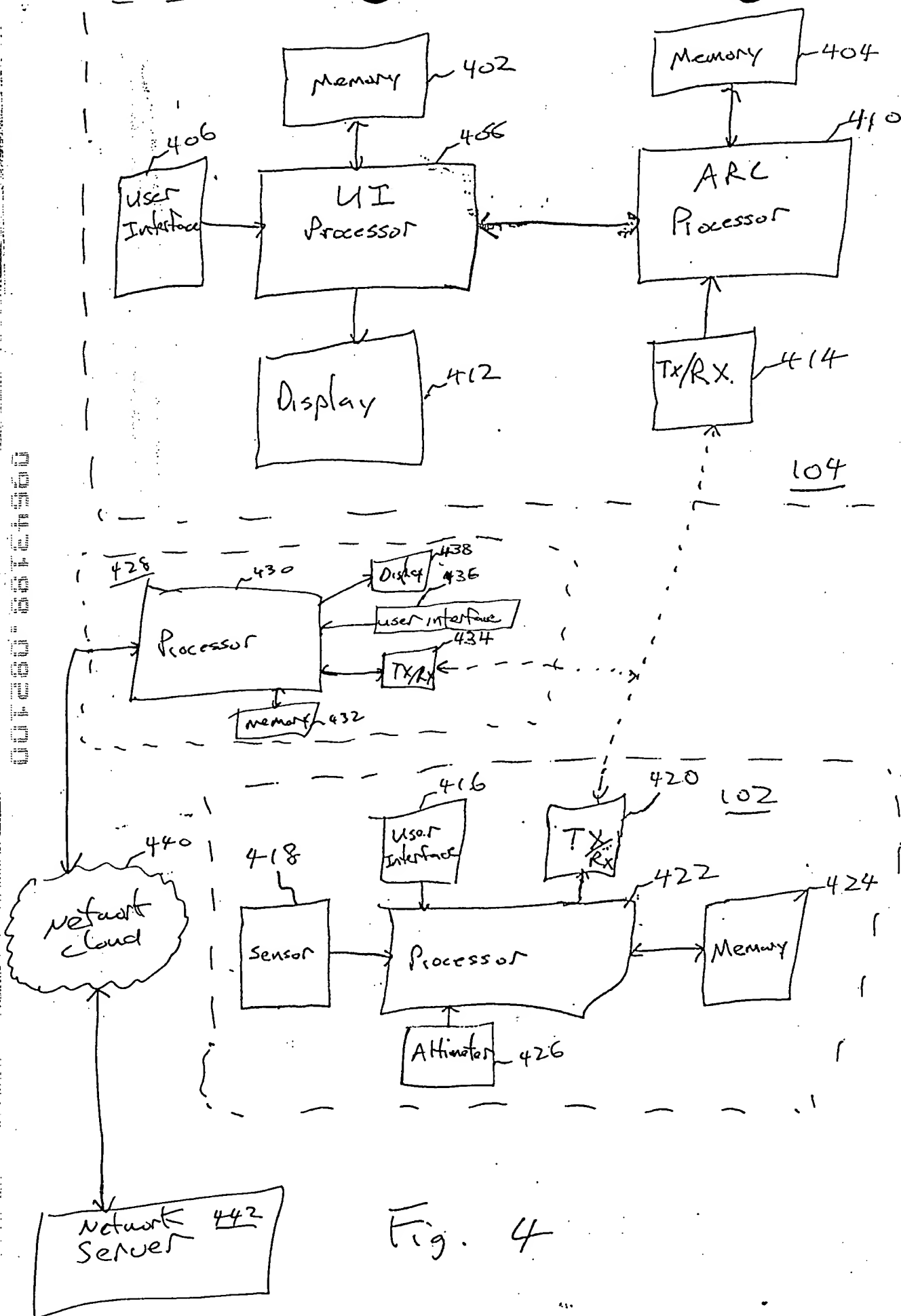


Fig. 3

001600 001600 001600



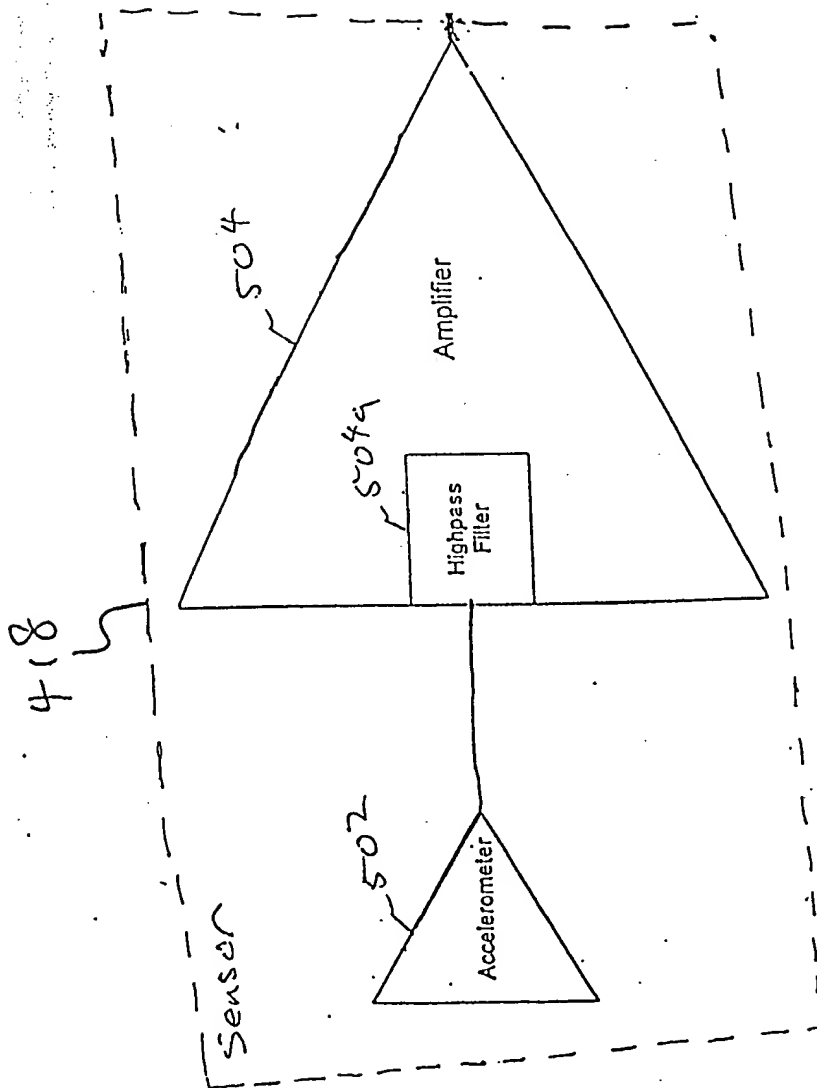


Fig. 5

418

Sensor

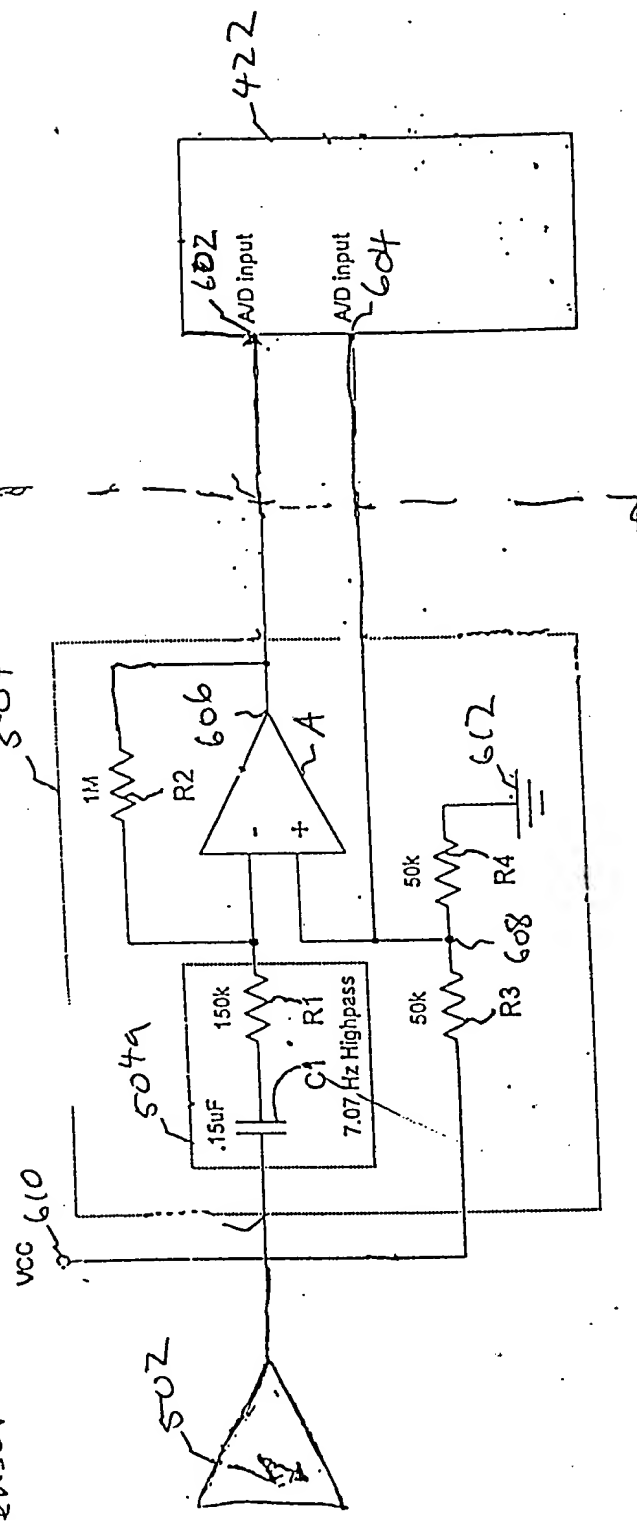


Fig. 6

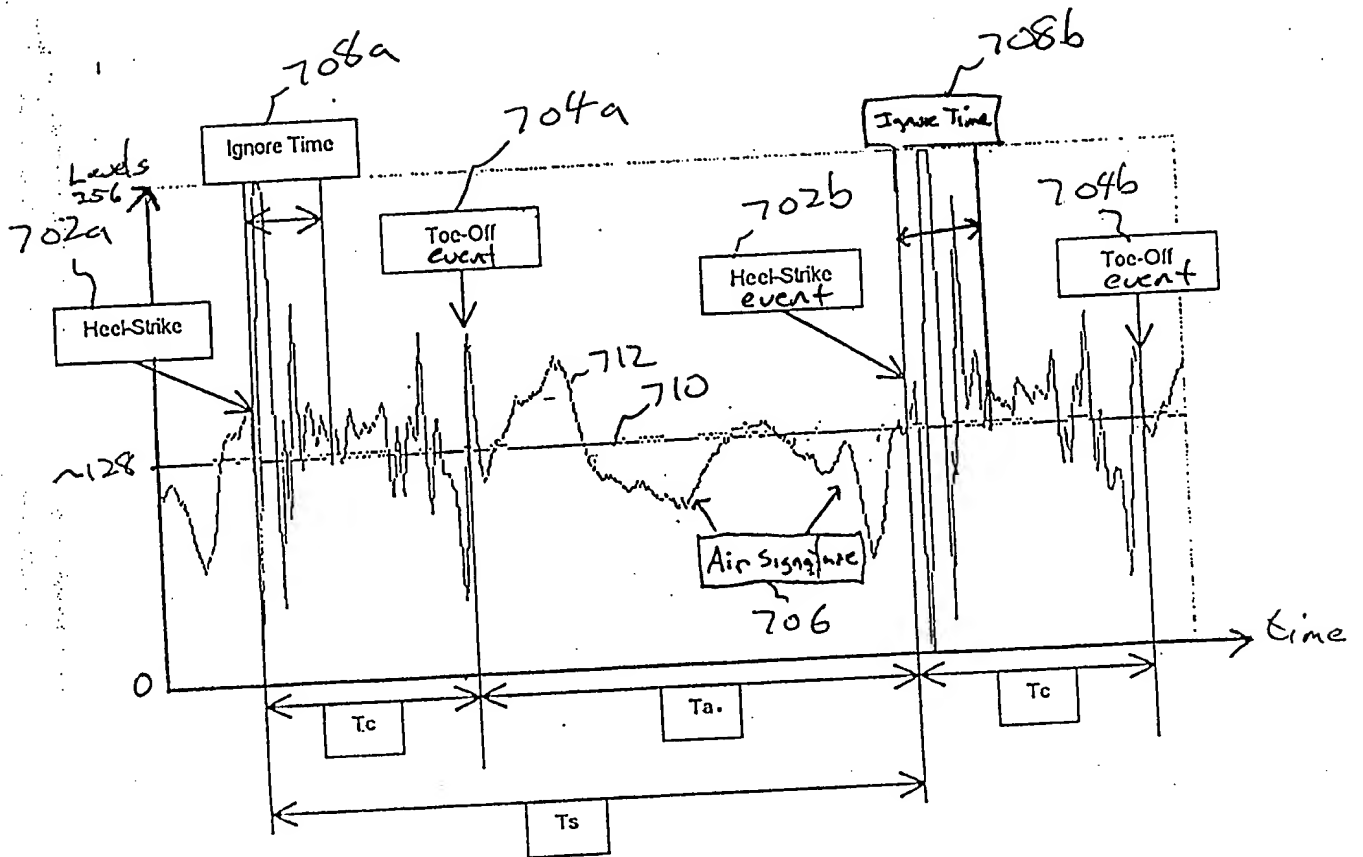


Fig. 7

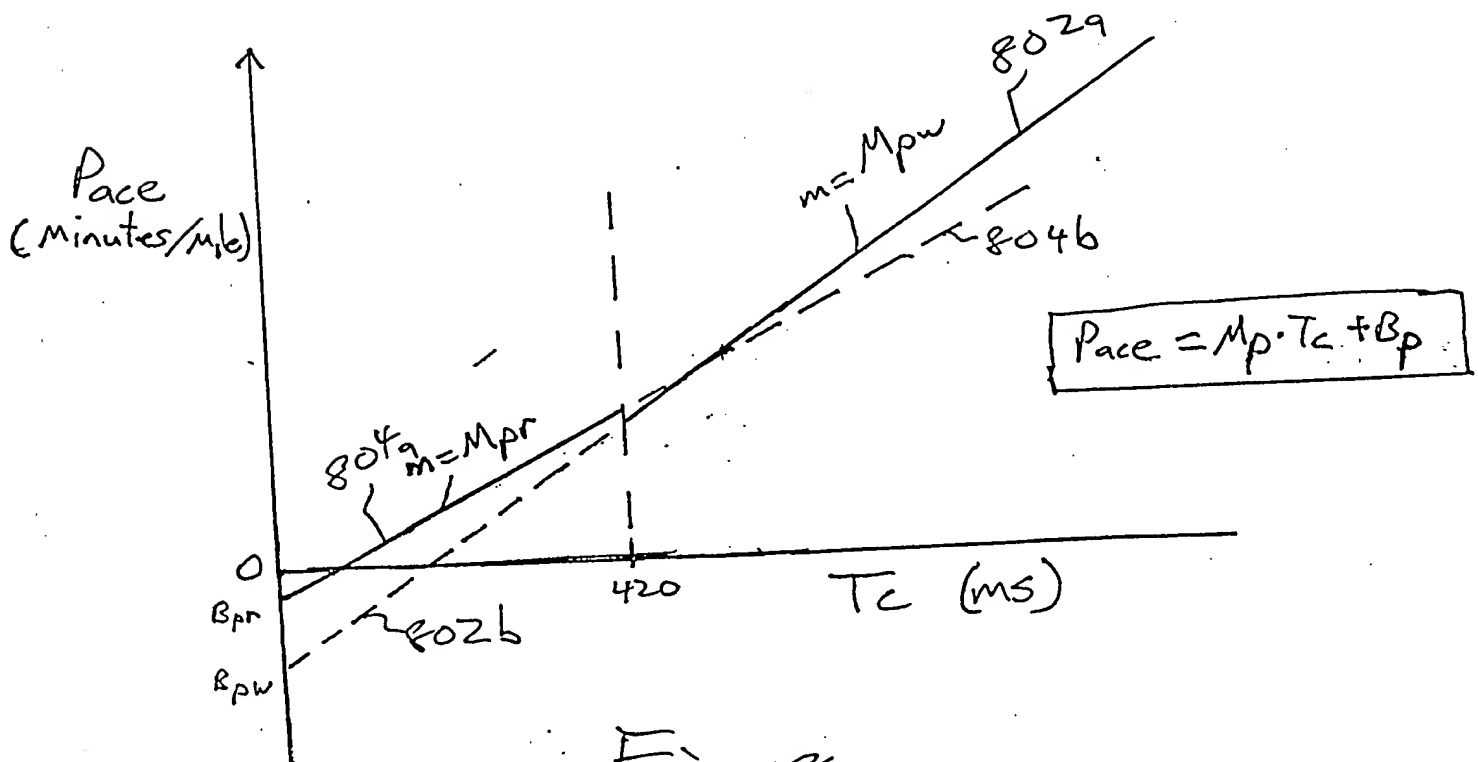


Fig. 8



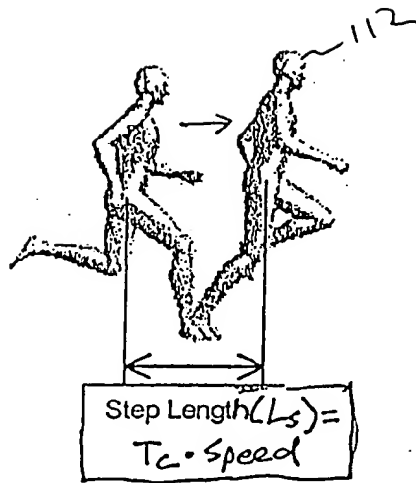


Fig. 9

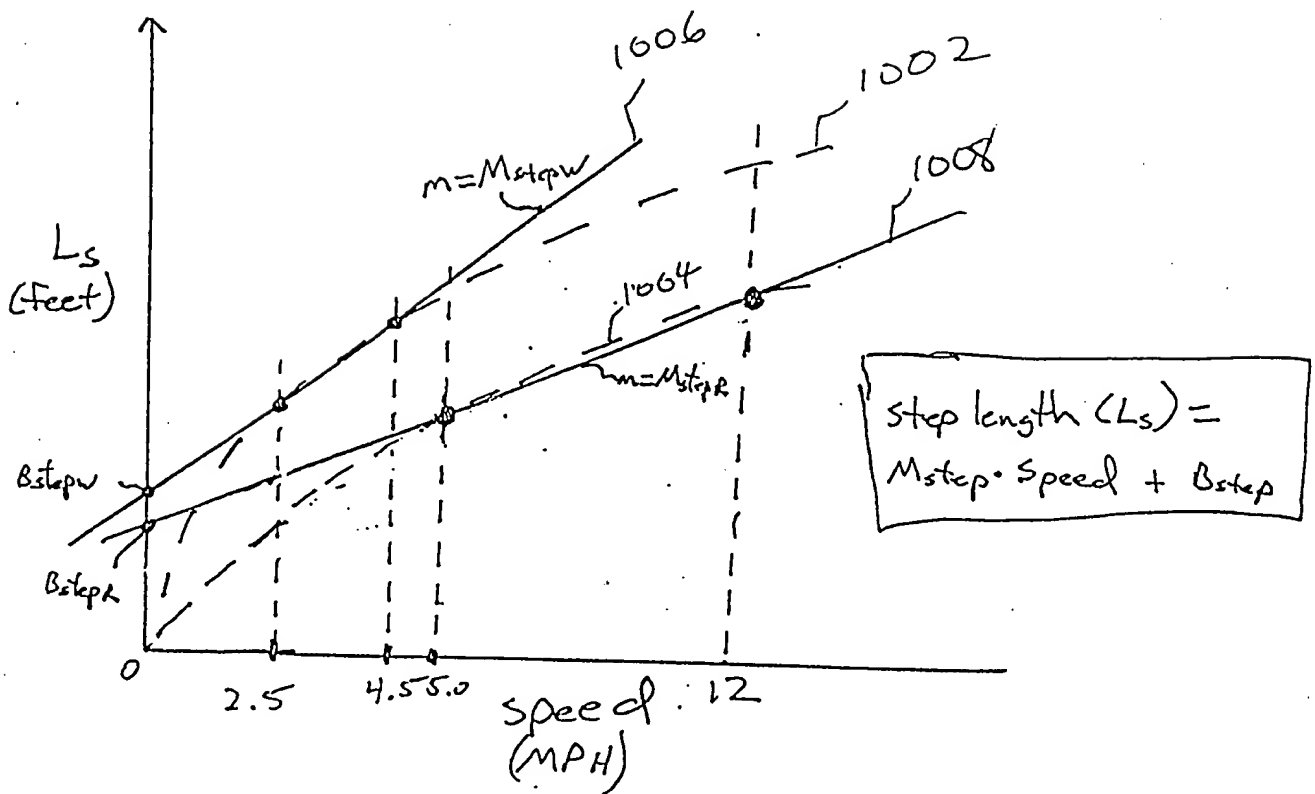


Fig. 10

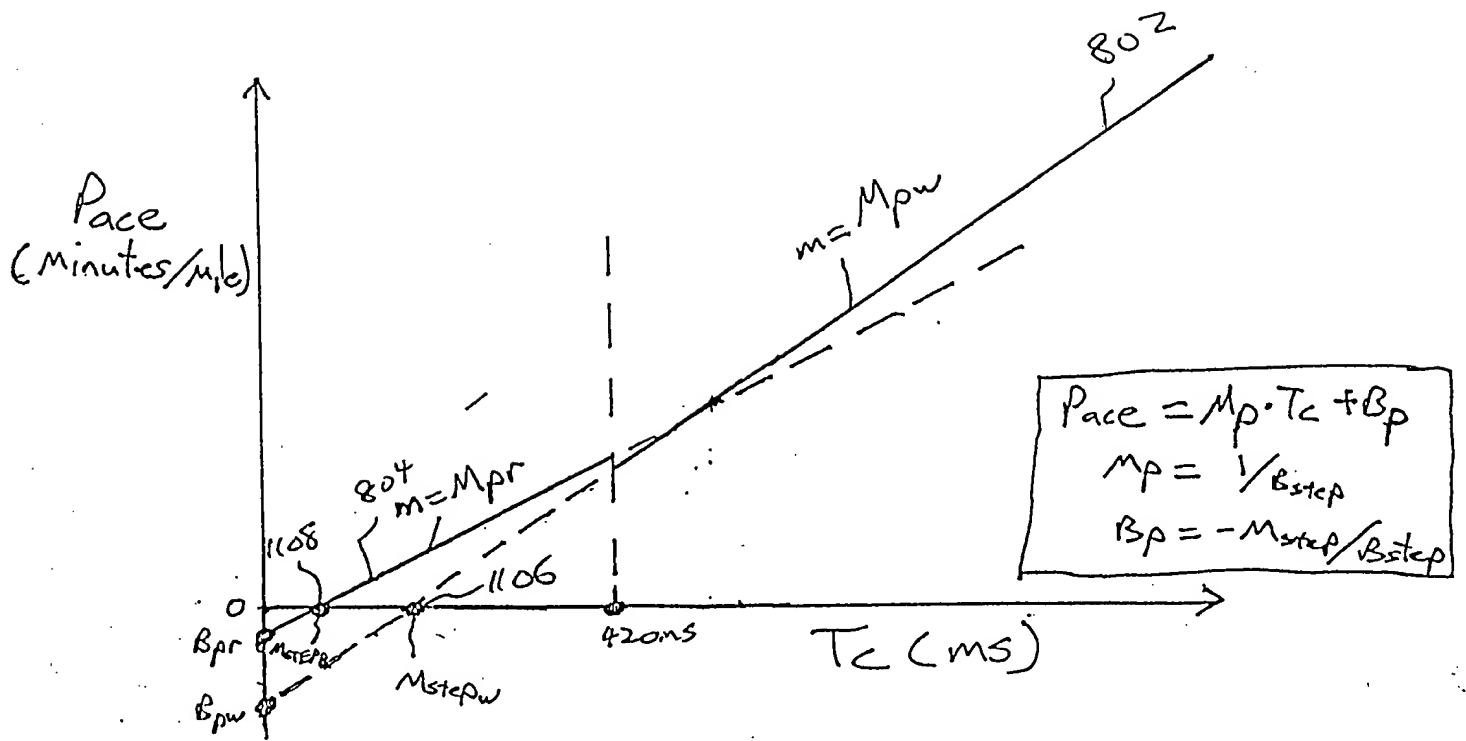


Fig. 11

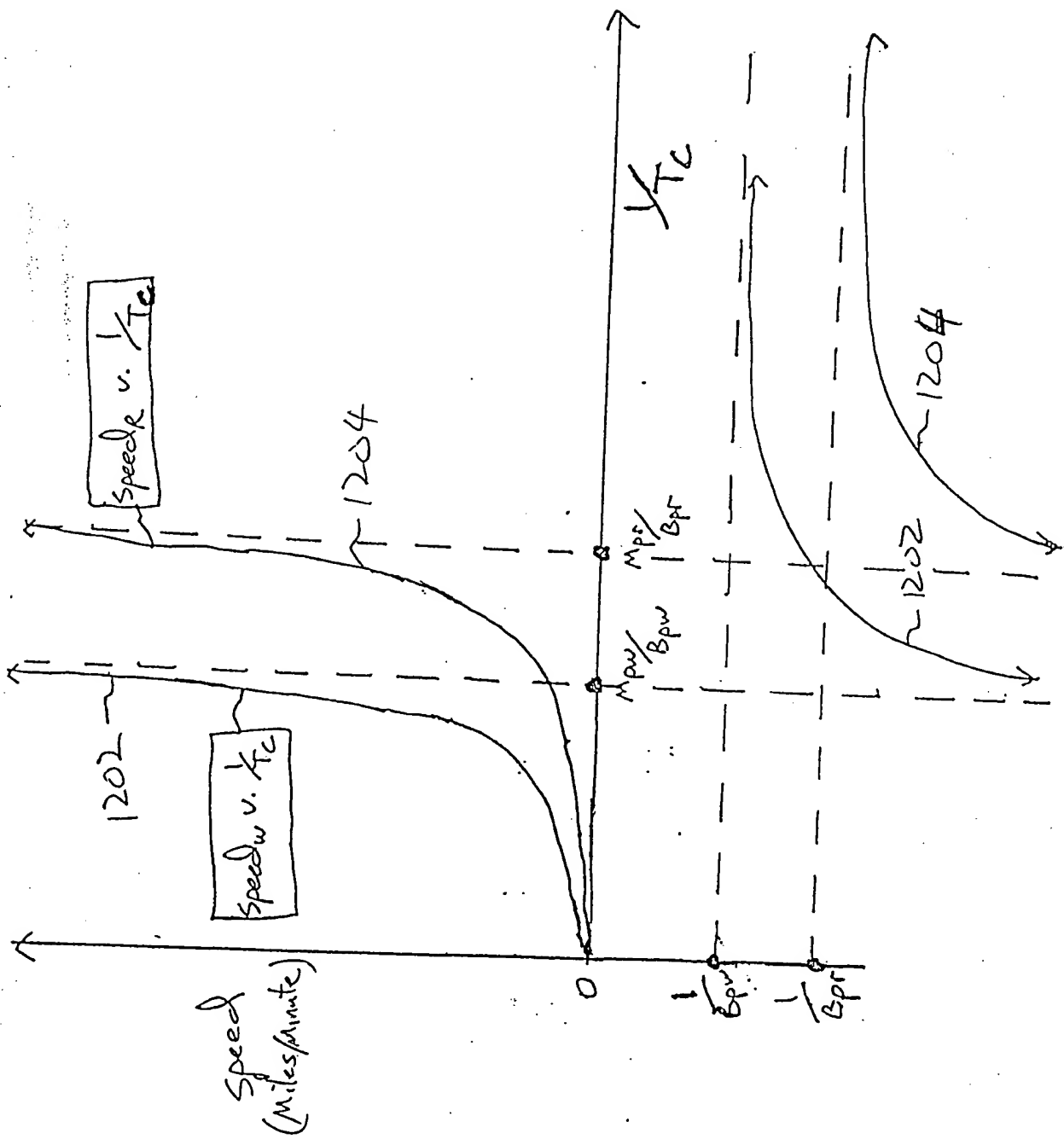


Fig. 12

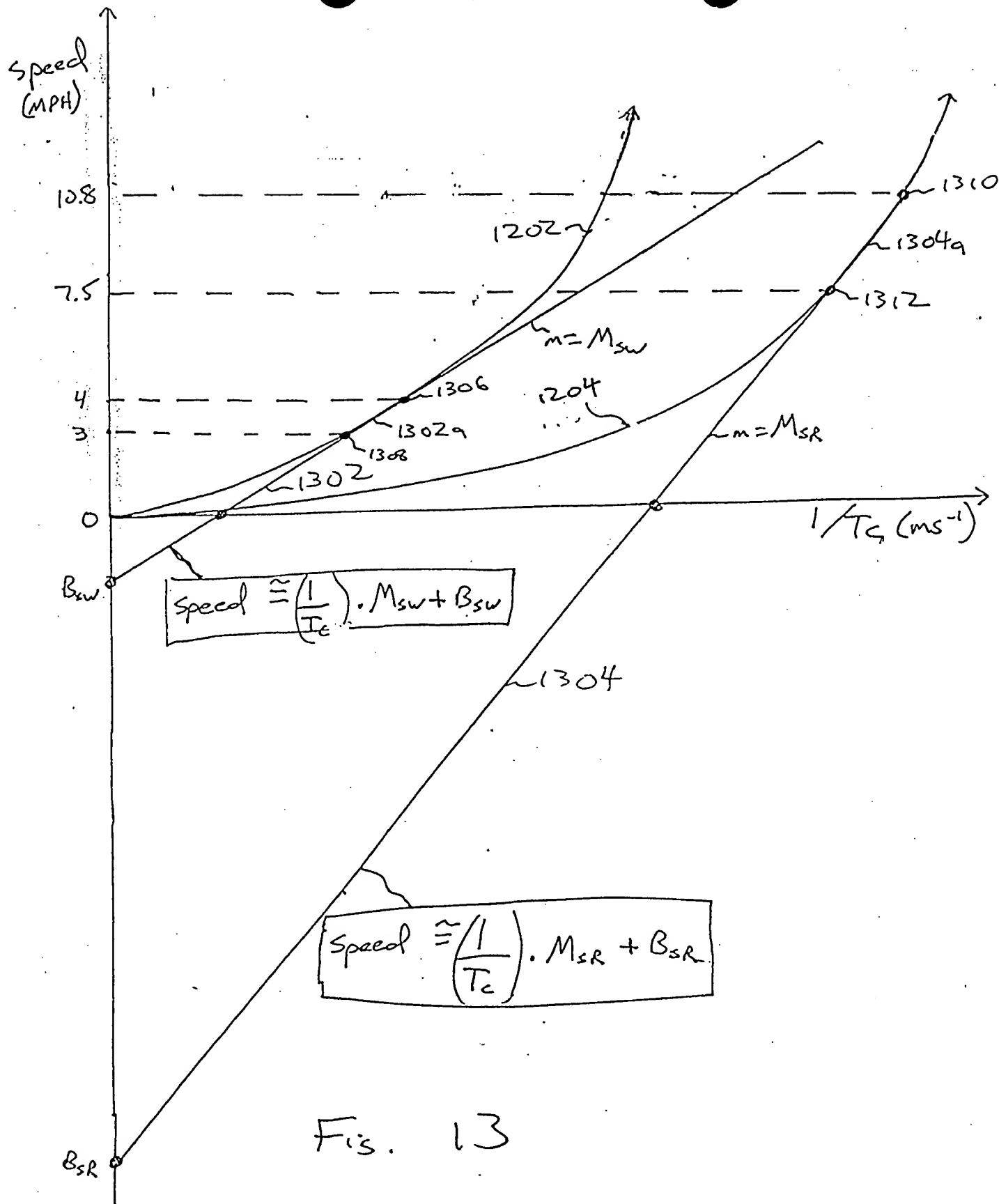


Fig. 13

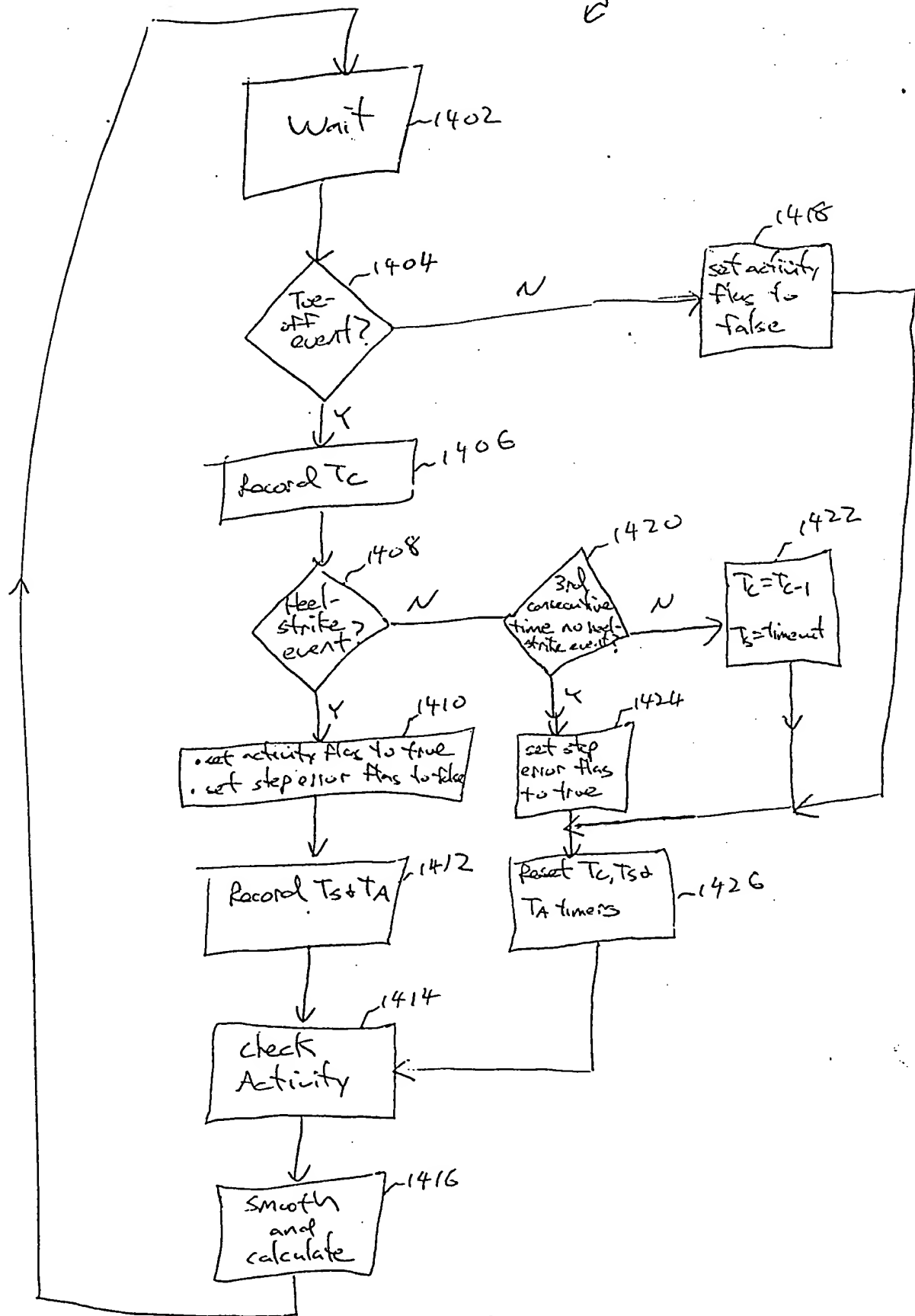


Fig. 14

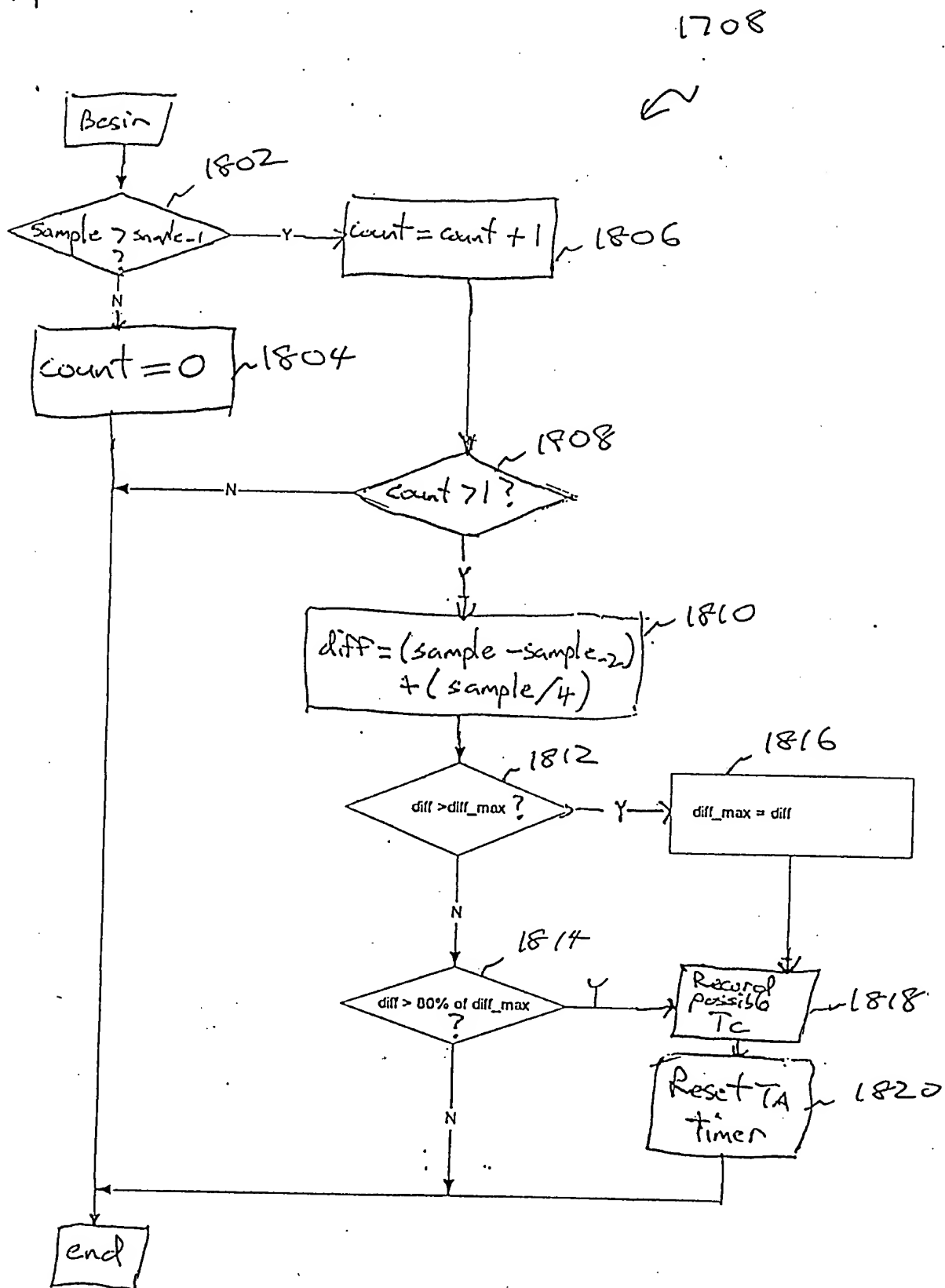


Fig. 18

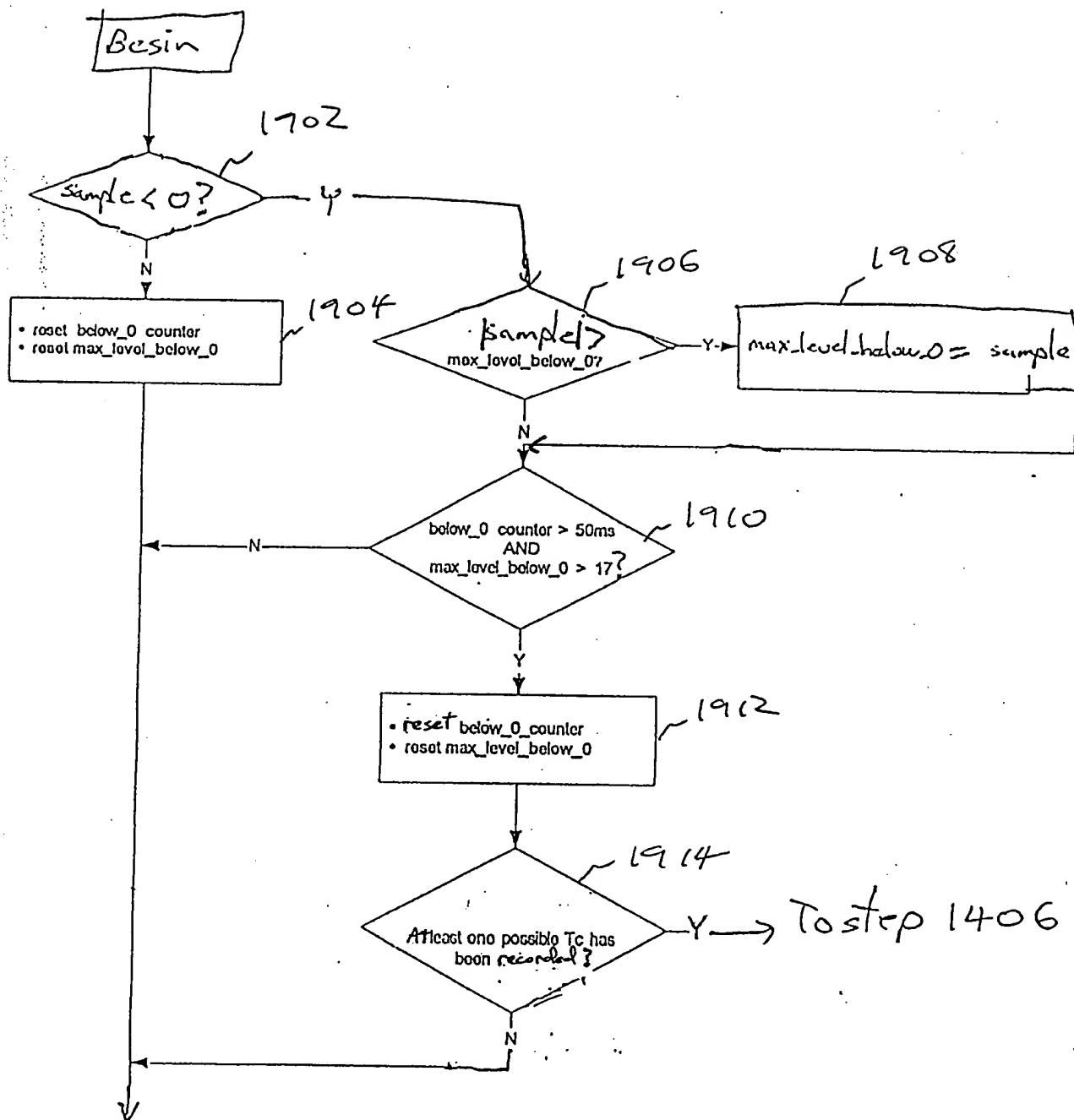


Fig. 19

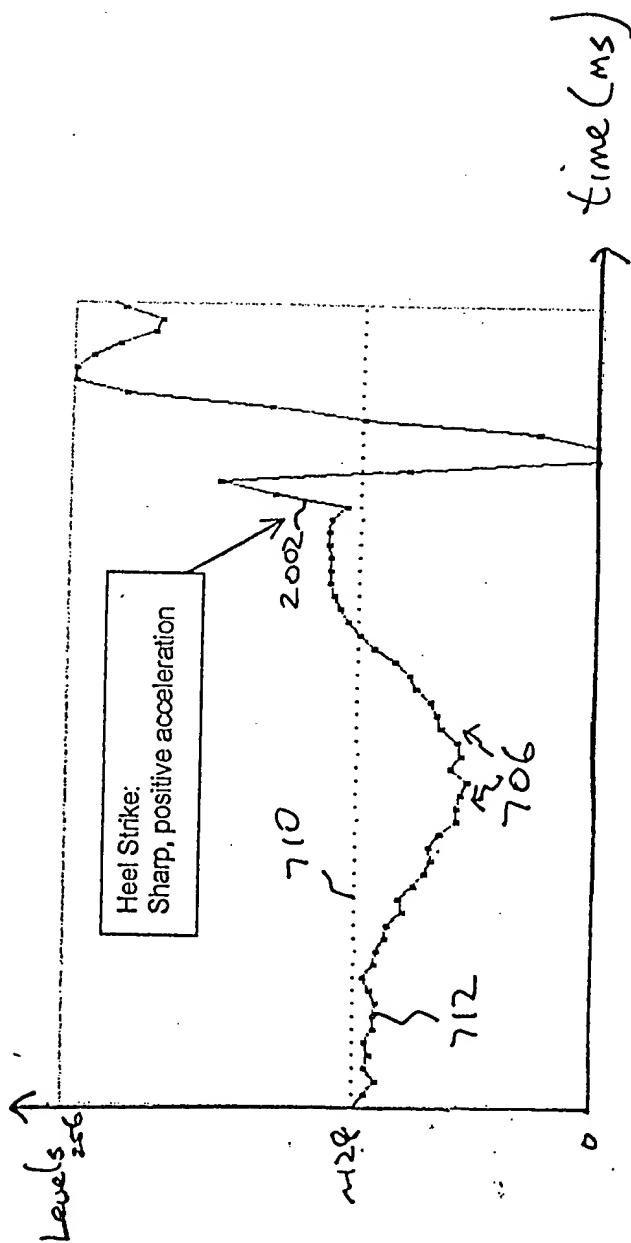


Fig. 20



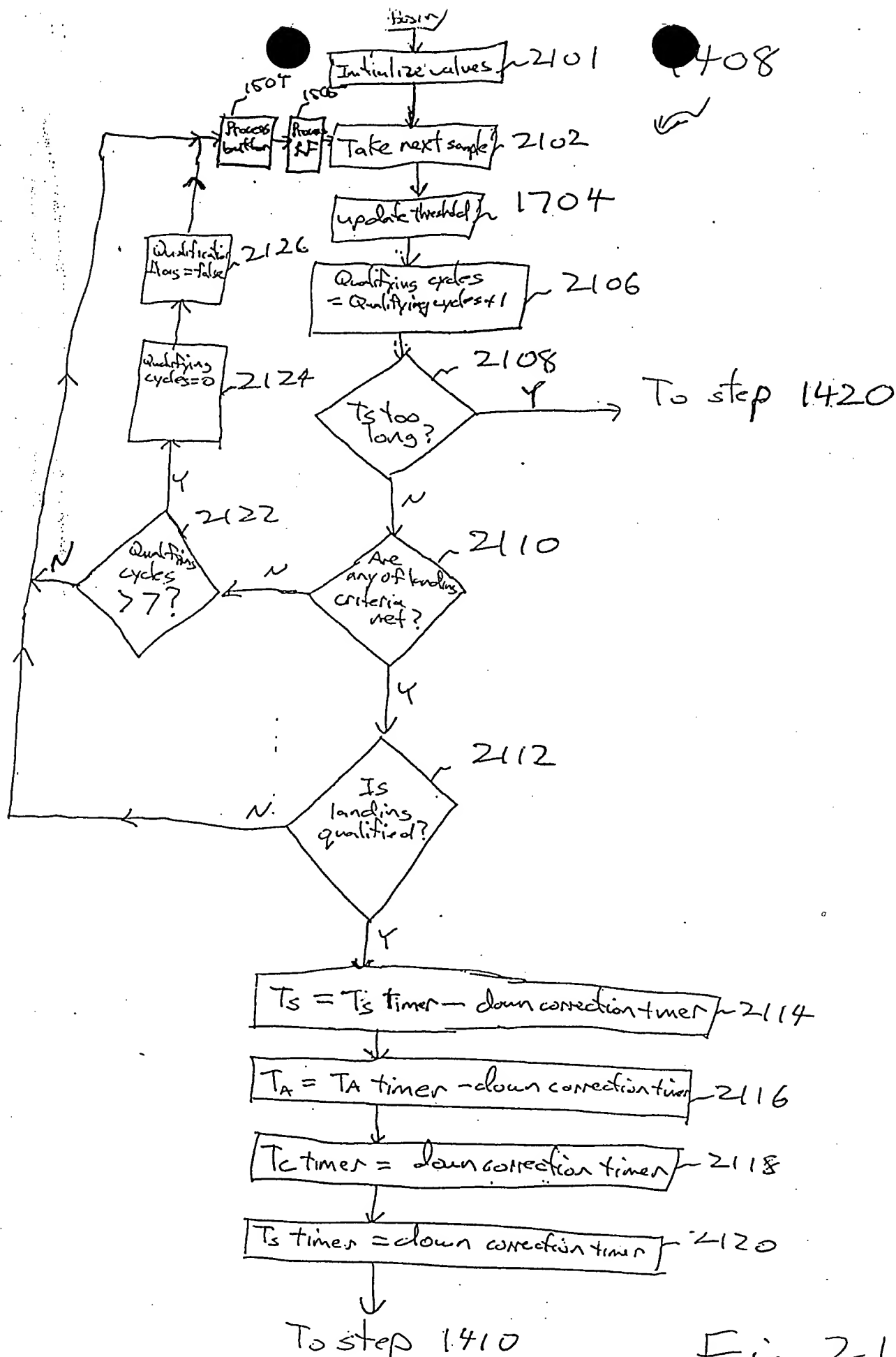


Fig. 21

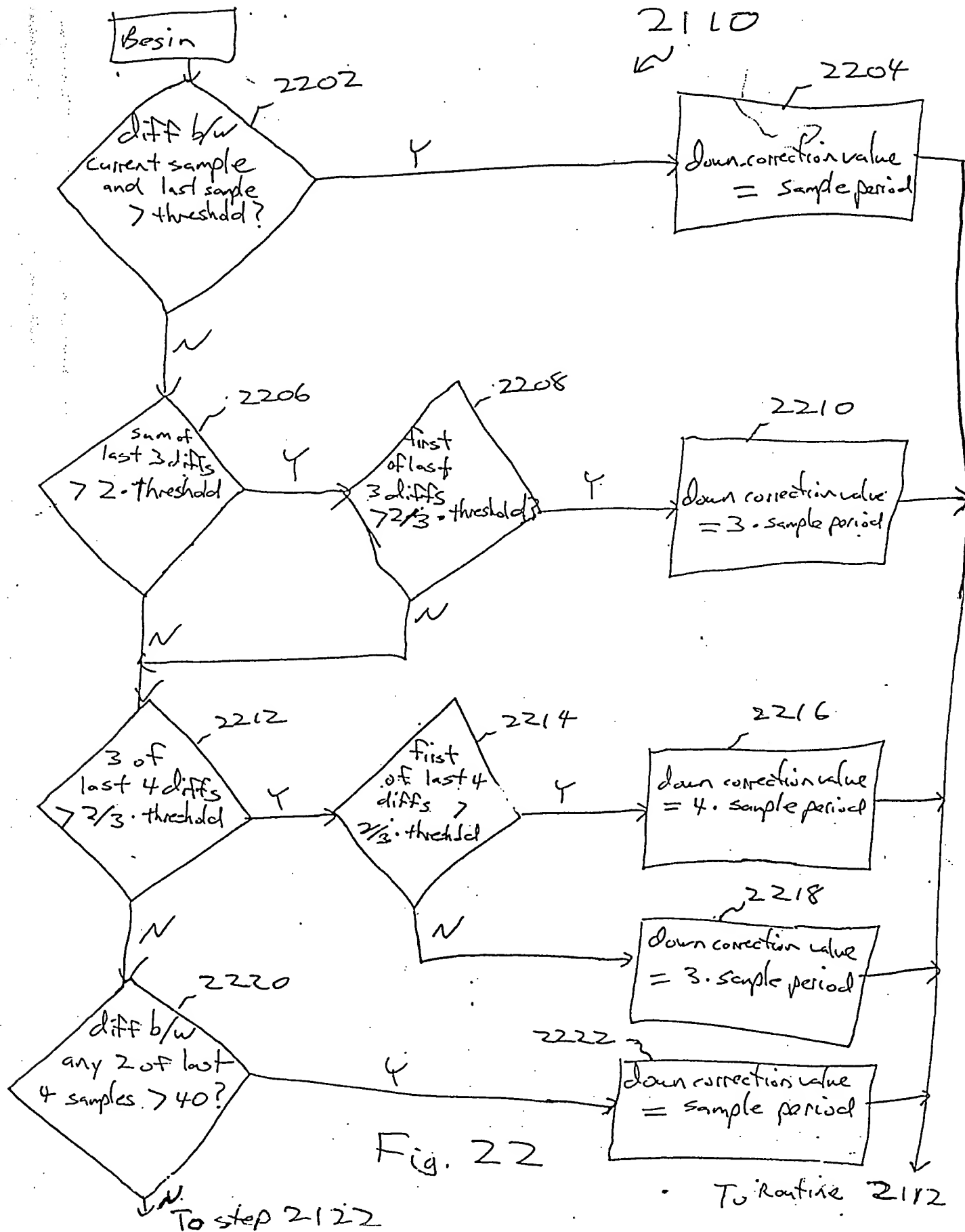


Fig. 22

To Routine 2112

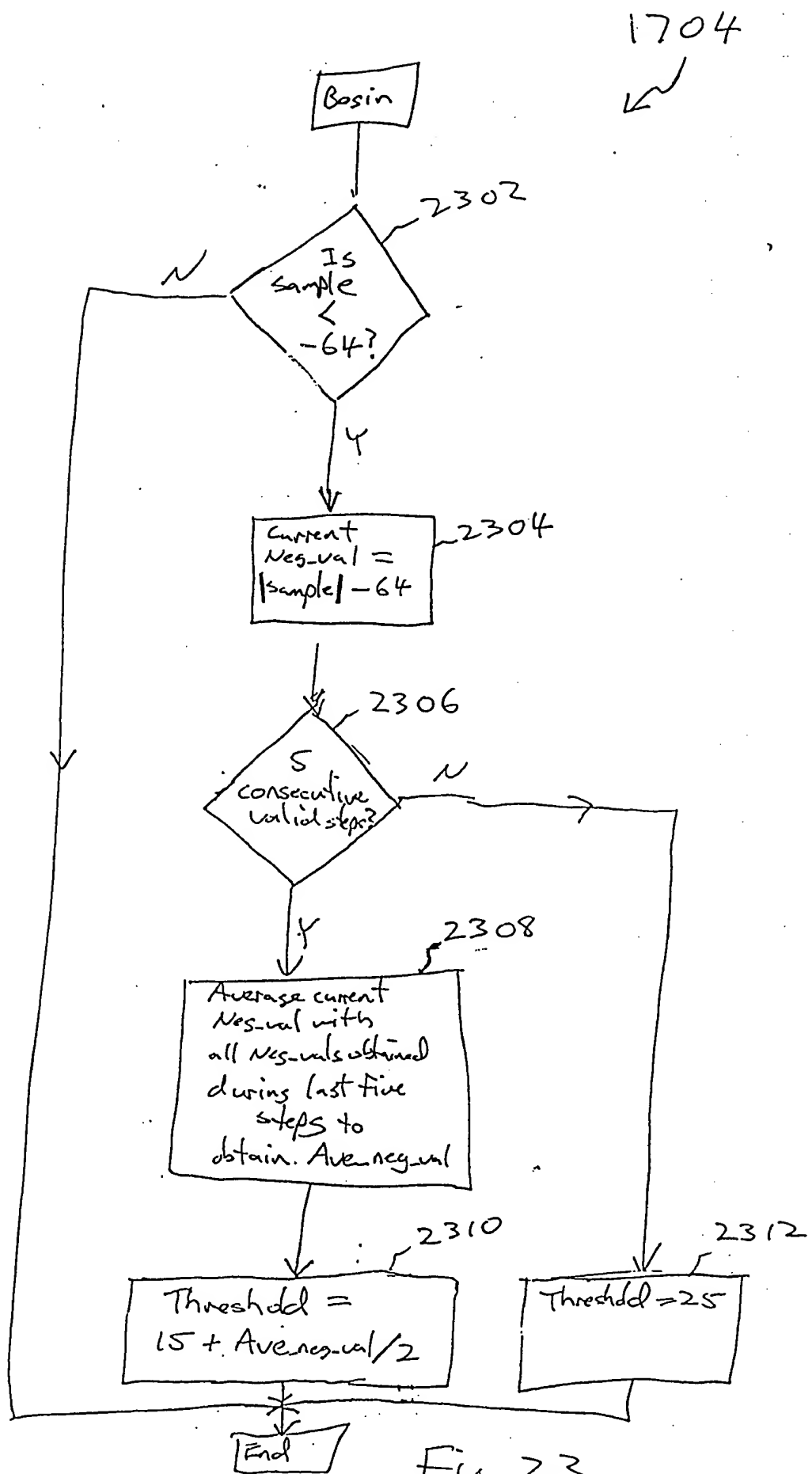


Fig. 23.

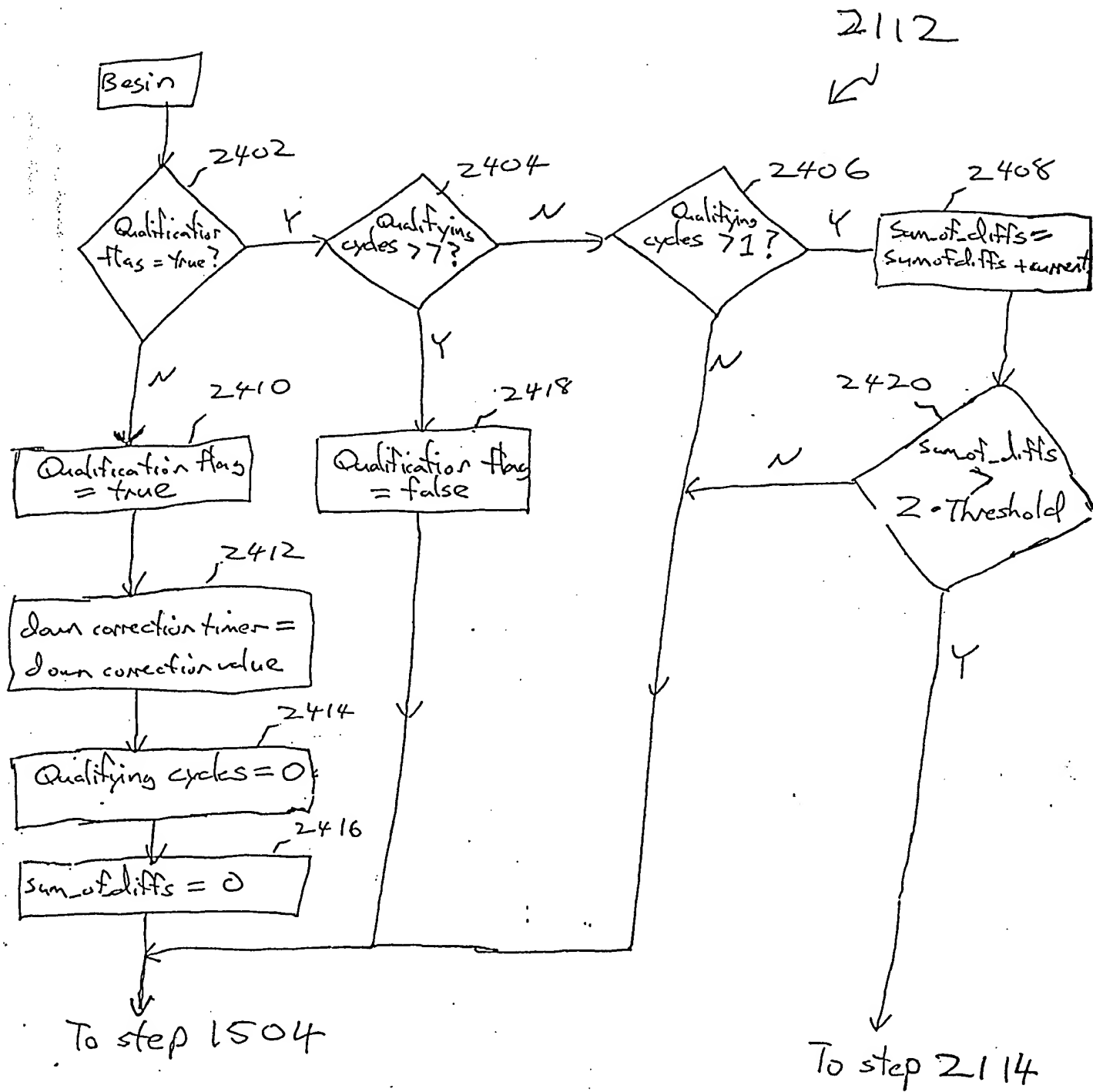


FIG. 24

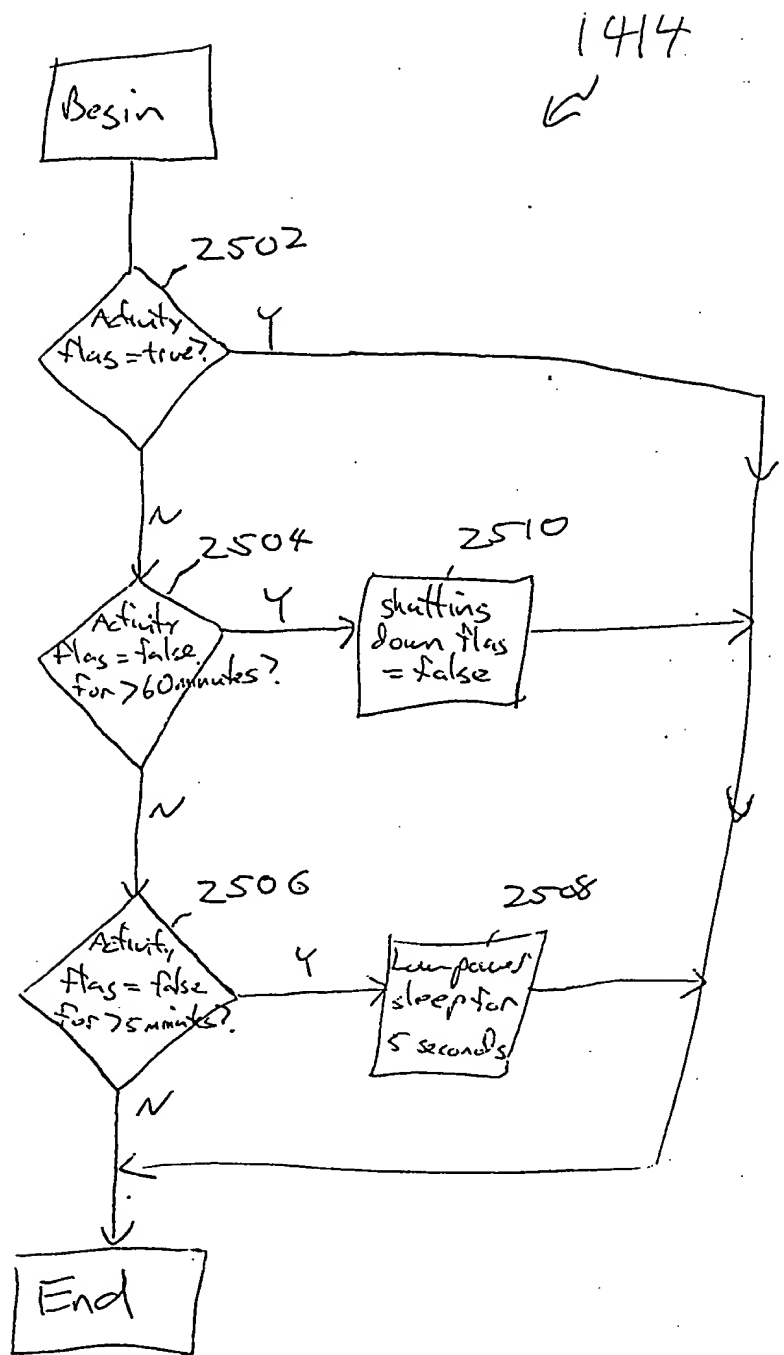


Fig. 25

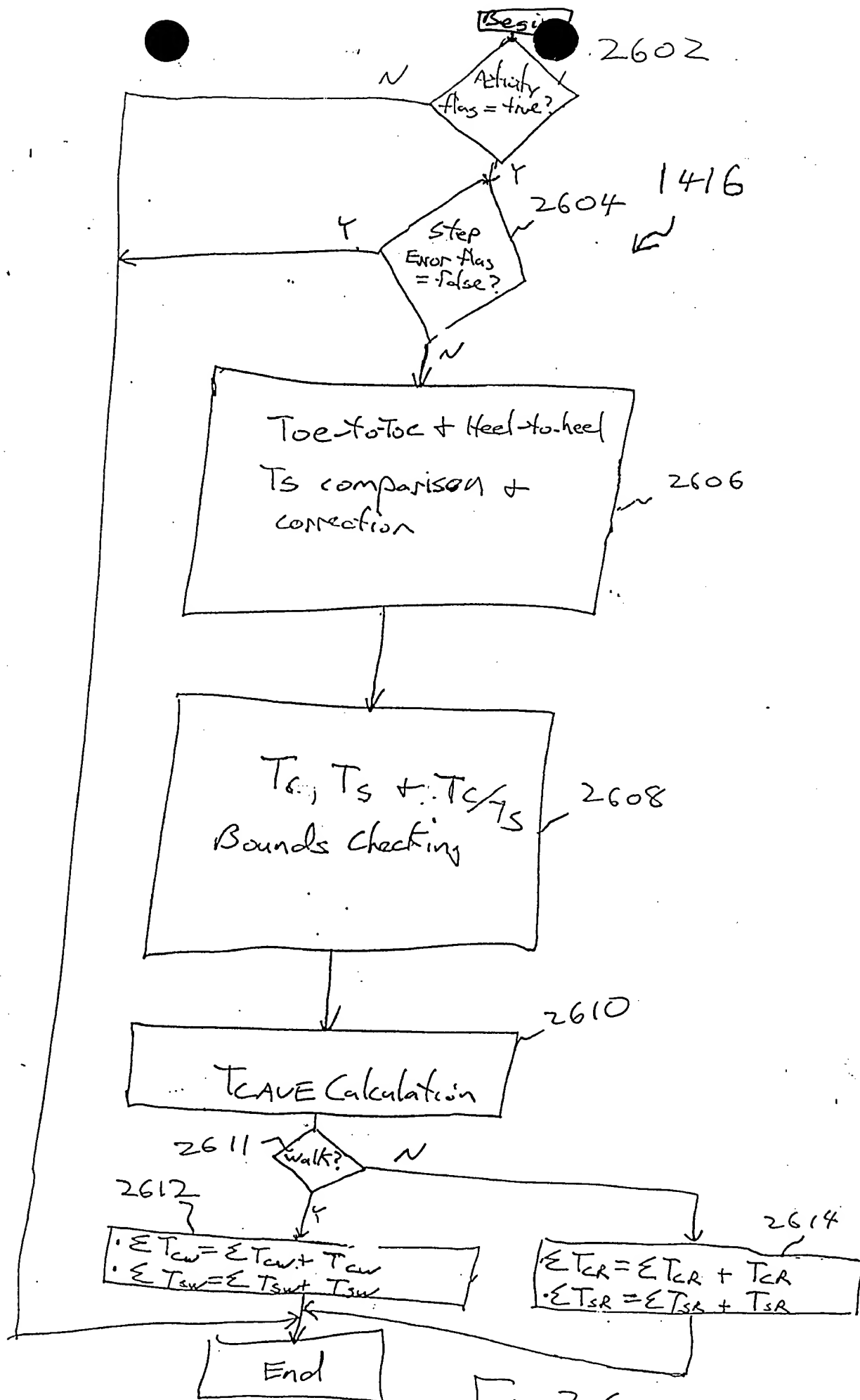


Fig. 26

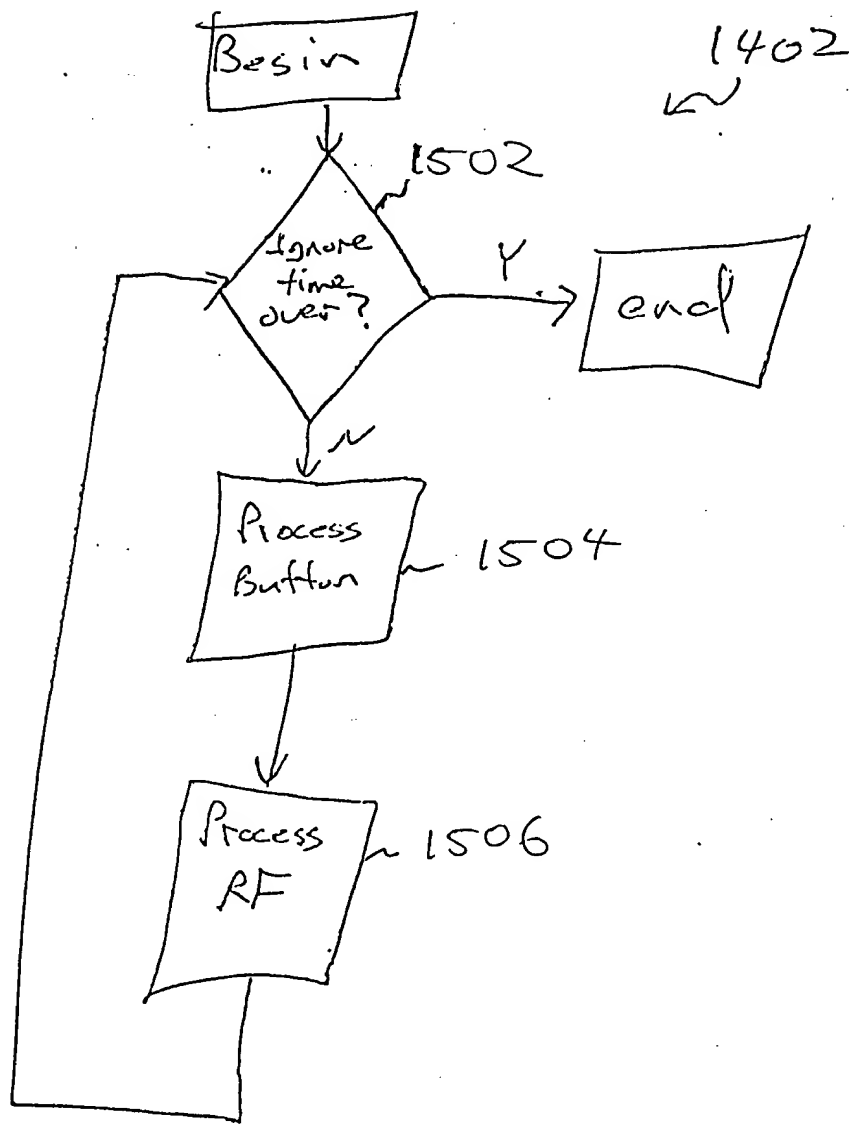


Fig. 15

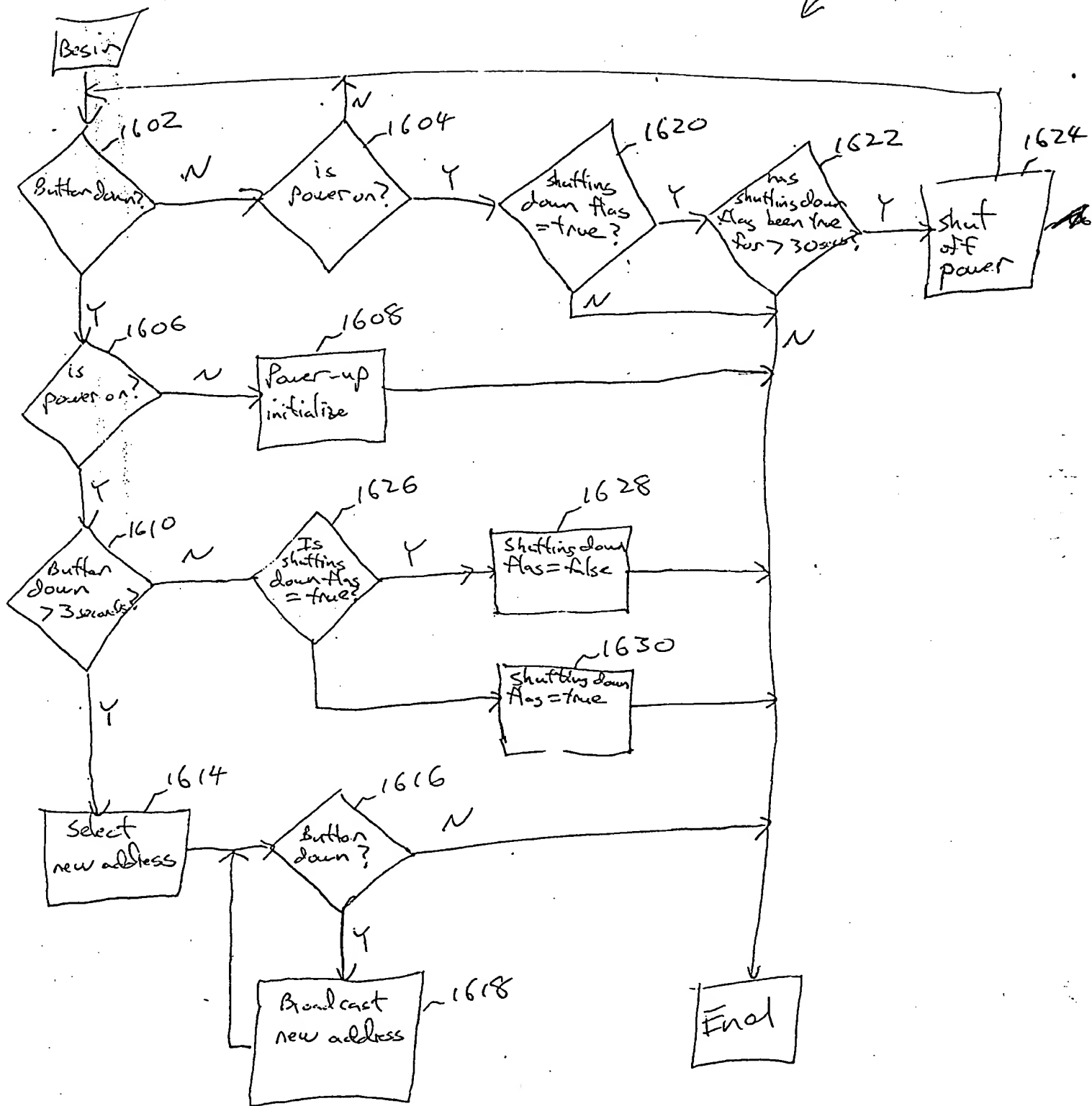


Fig. 16



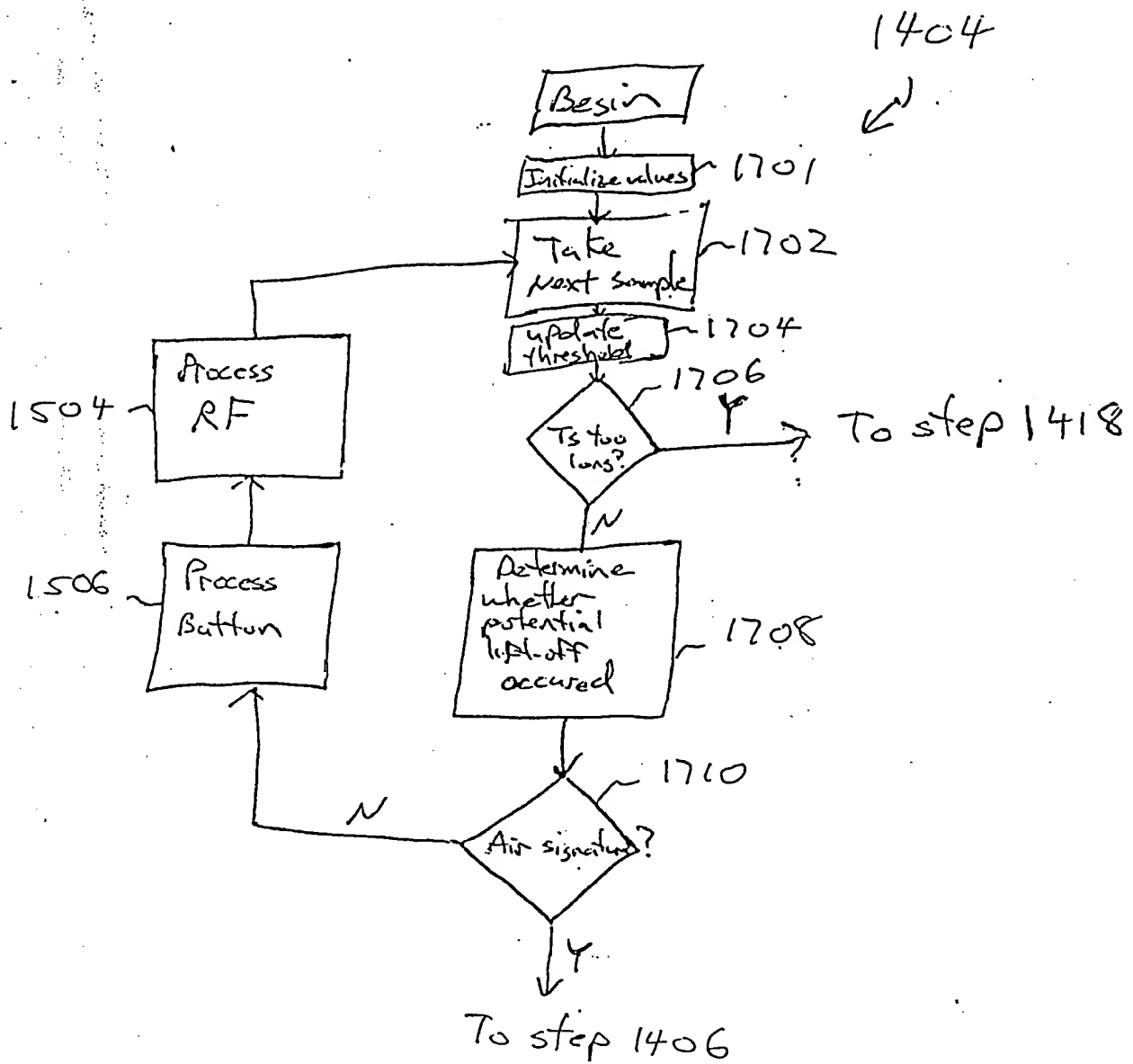


Fig. 17

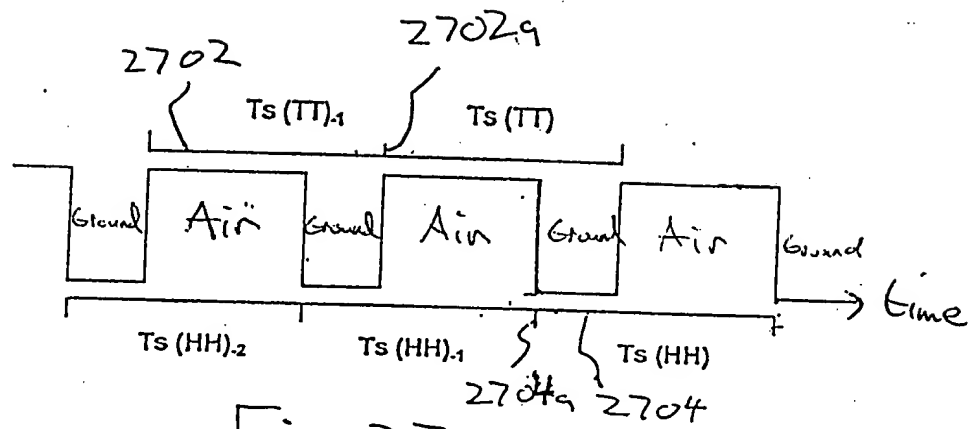


Fig. 27

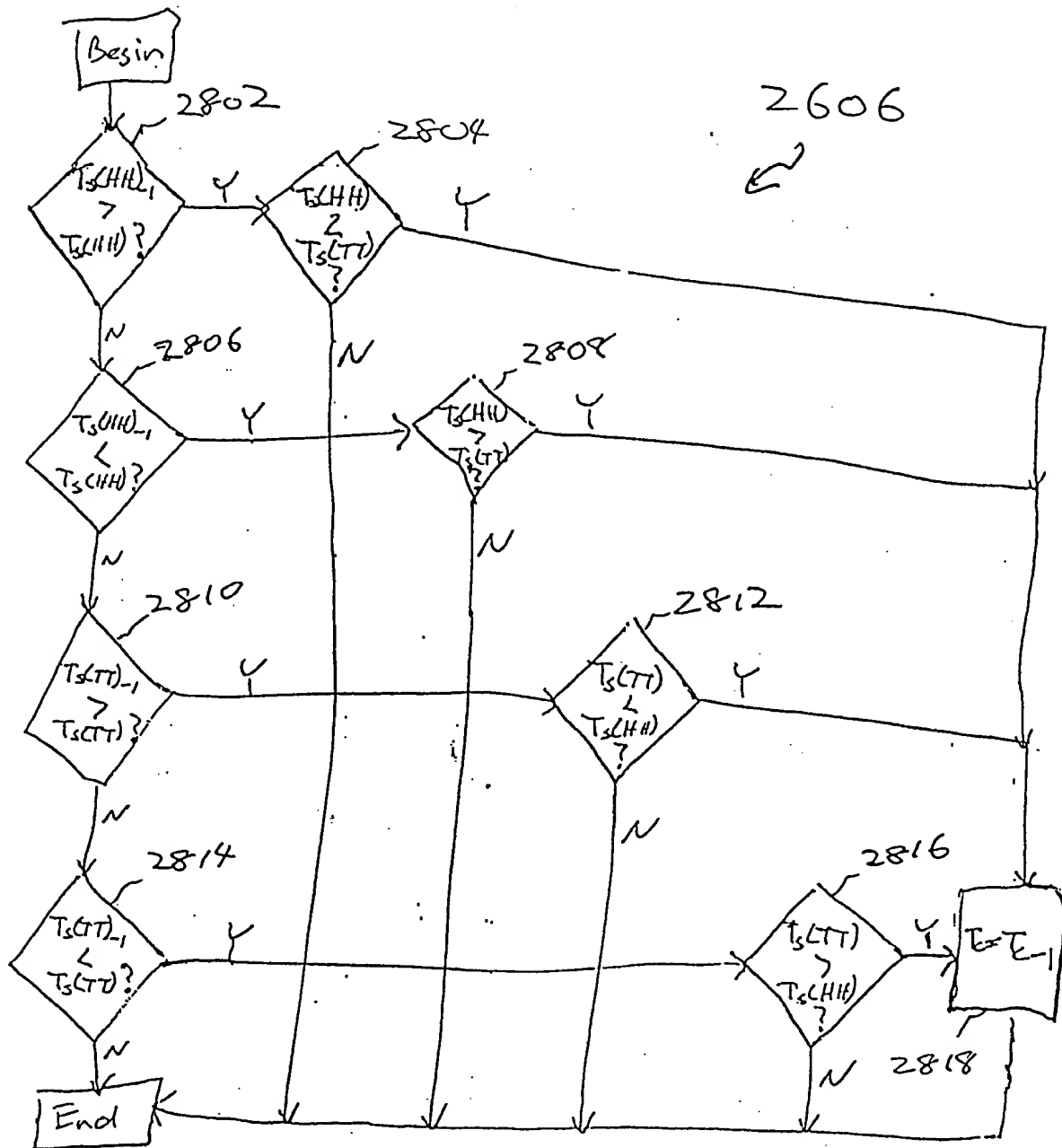


Fig. 28

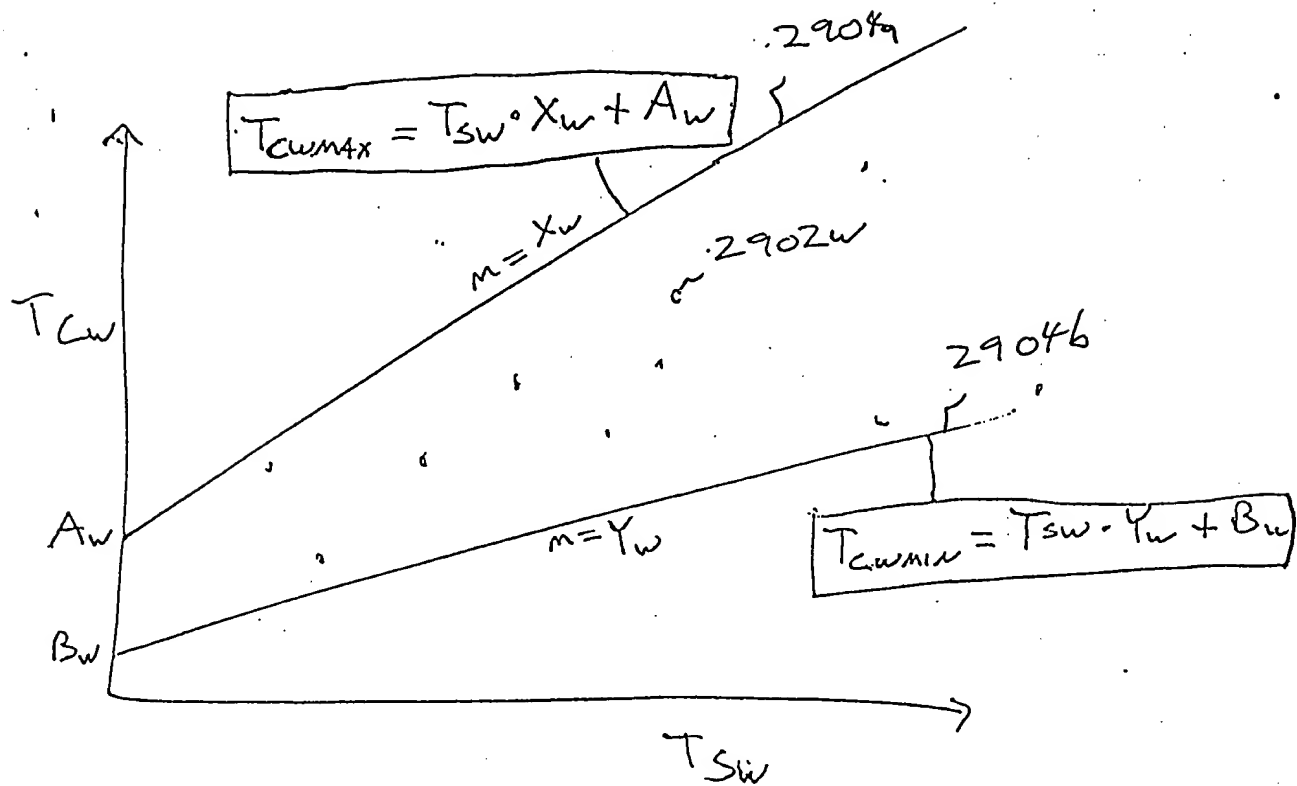


Fig. 29A

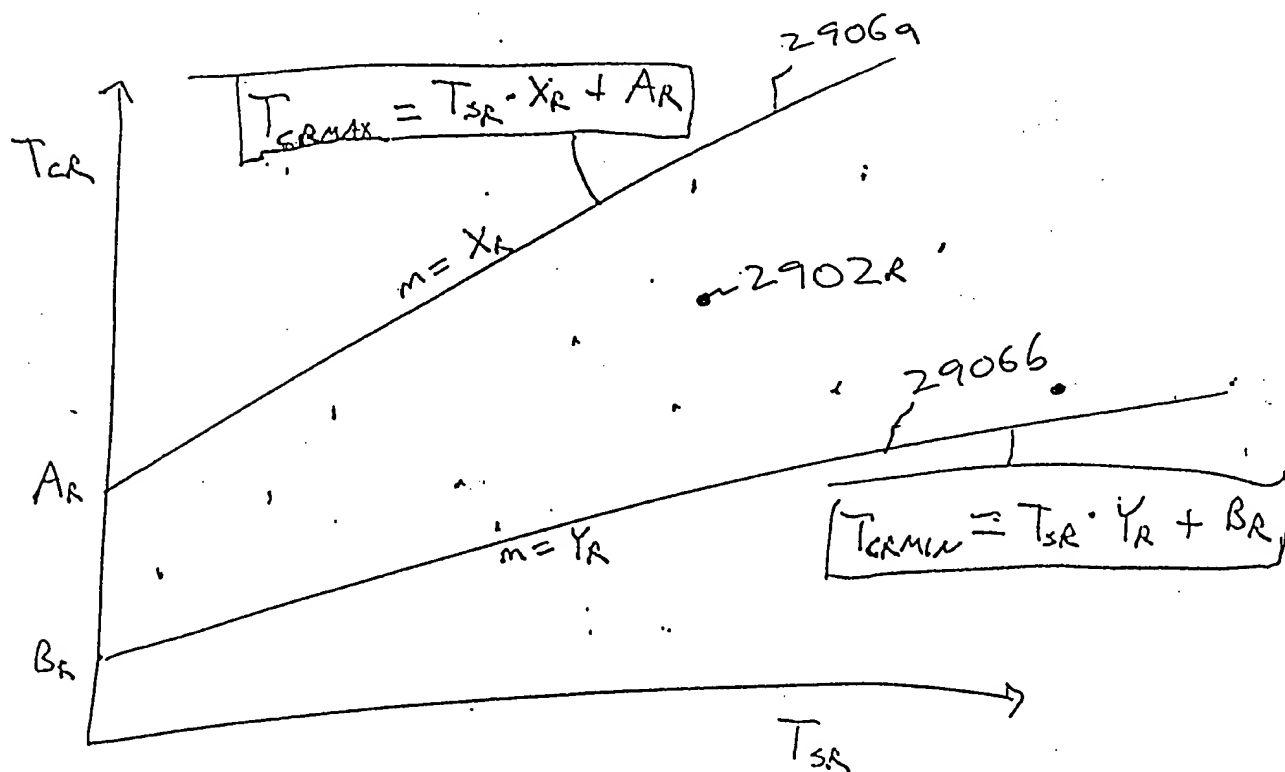


Fig. 29B

2608  
N

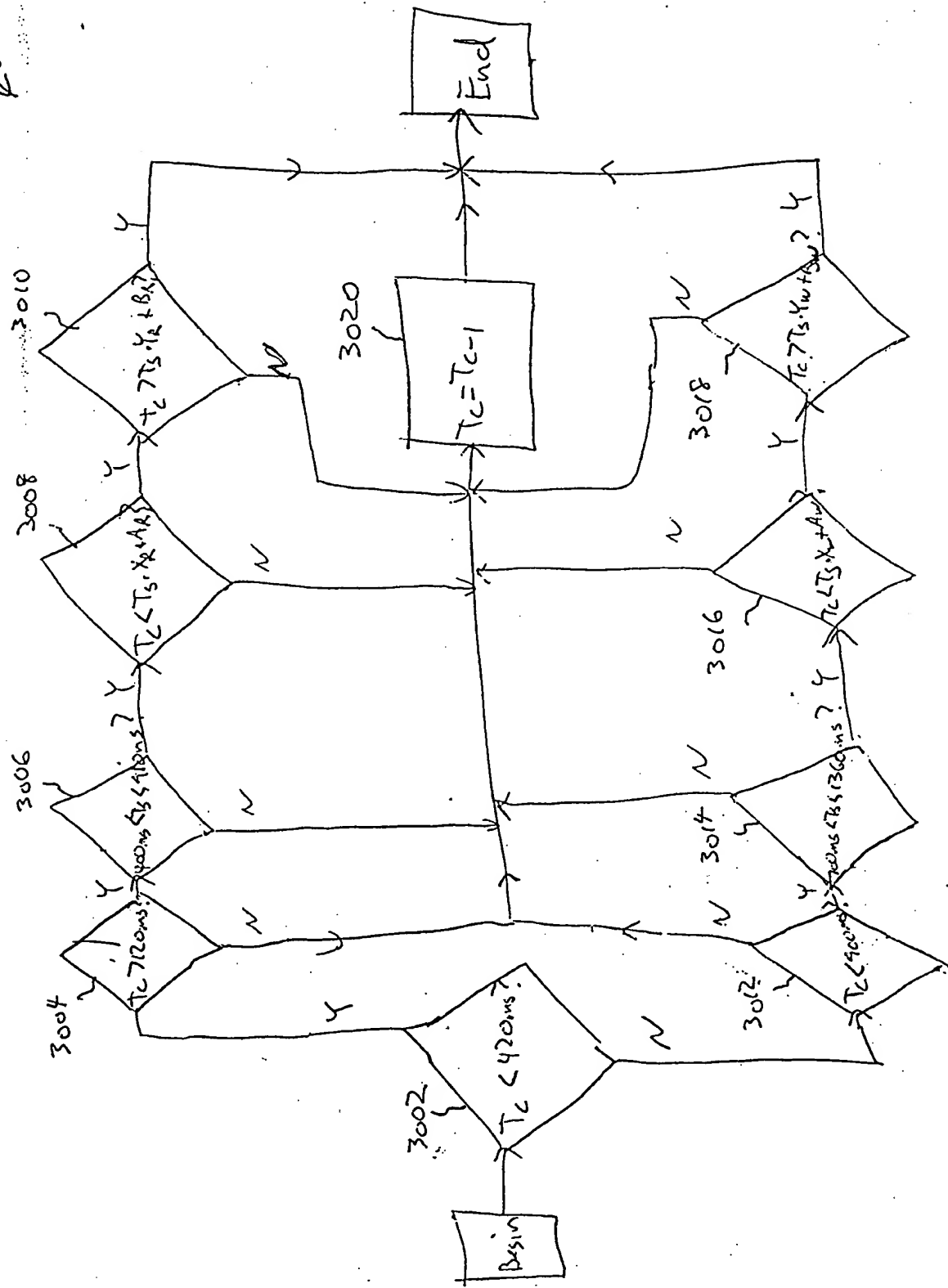


Fig. 30

001200 88121500

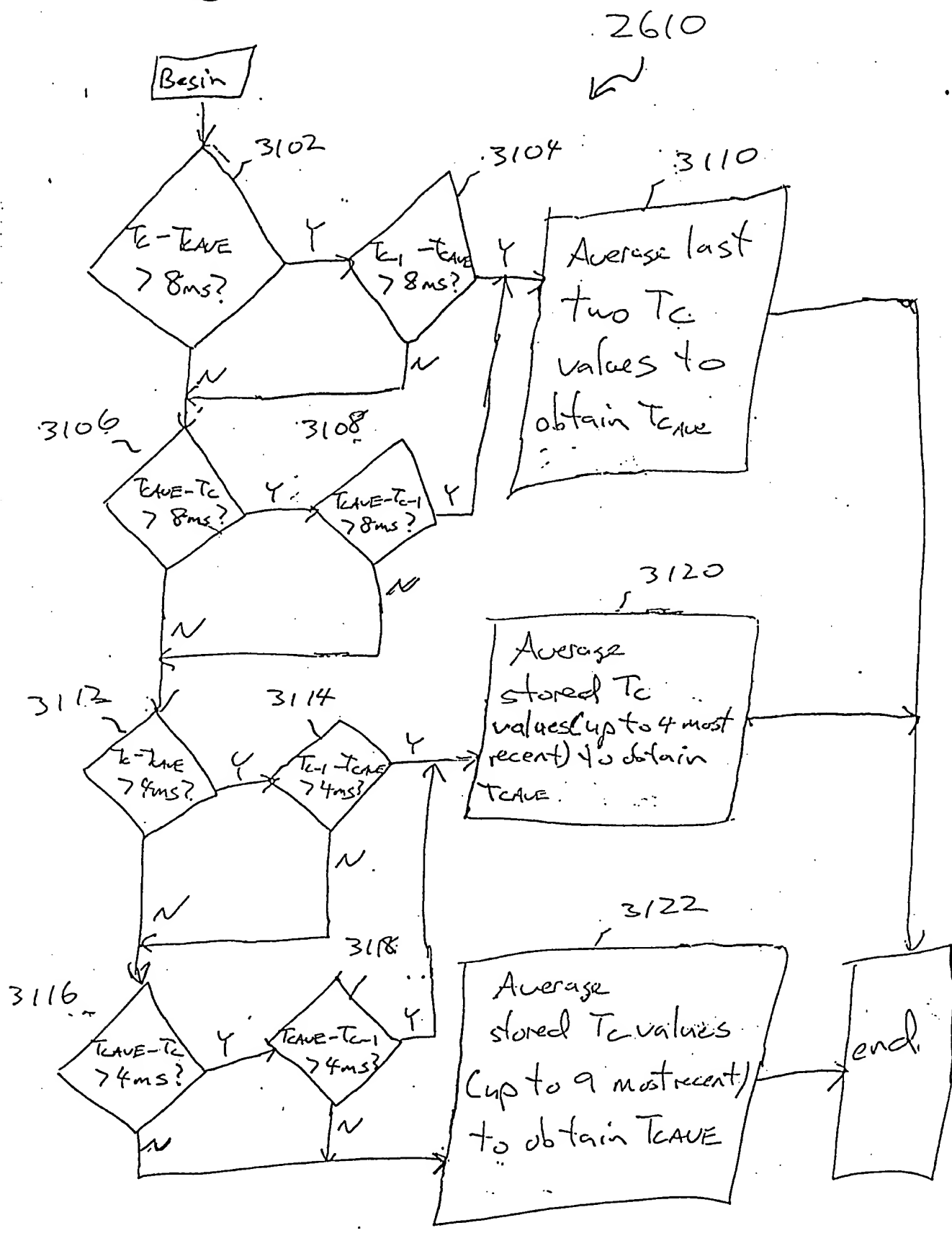


Fig. 31

Fig. 32A

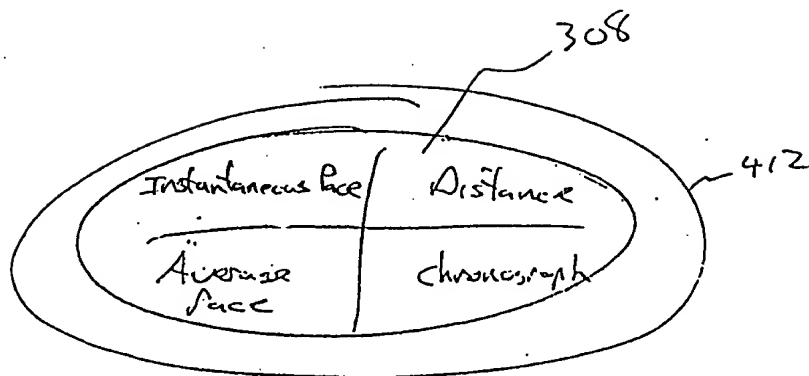


Fig. 32B

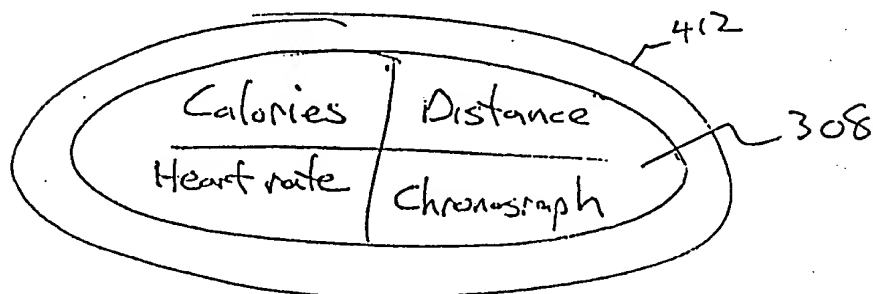


Fig. 32C

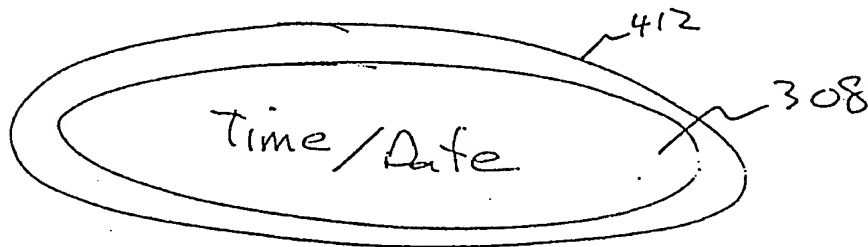


Fig. 32D

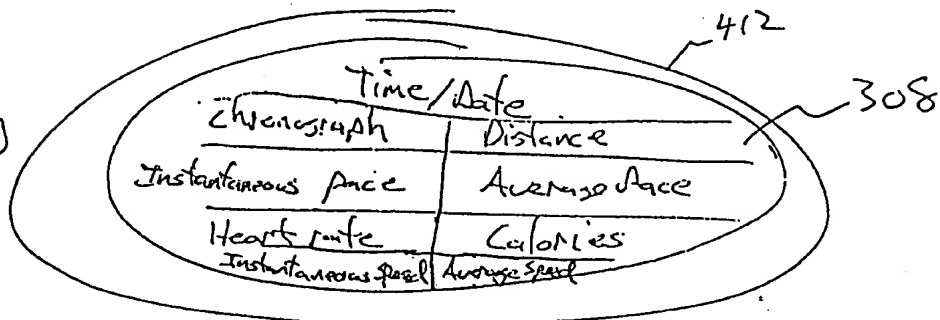


Fig. 32E

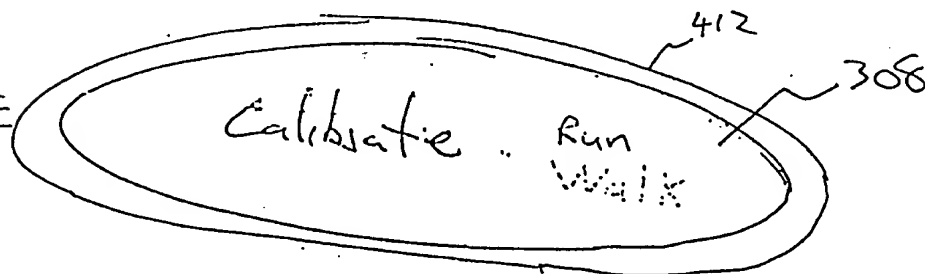


Fig. 32 F

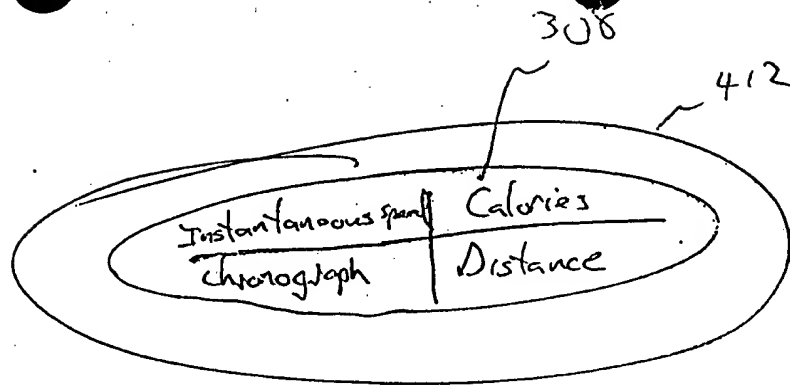


Fig. 32 G

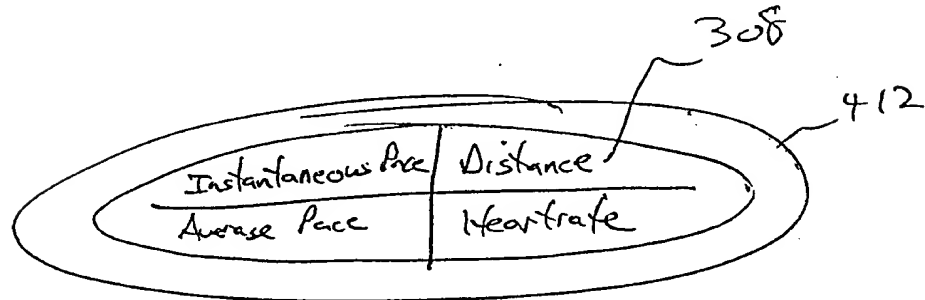
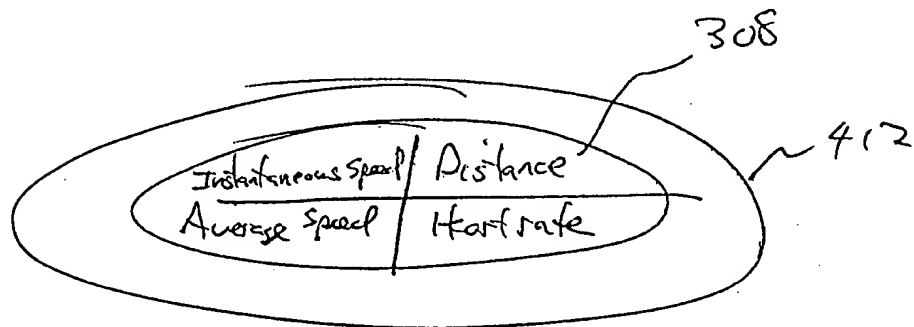


Fig. 32 H



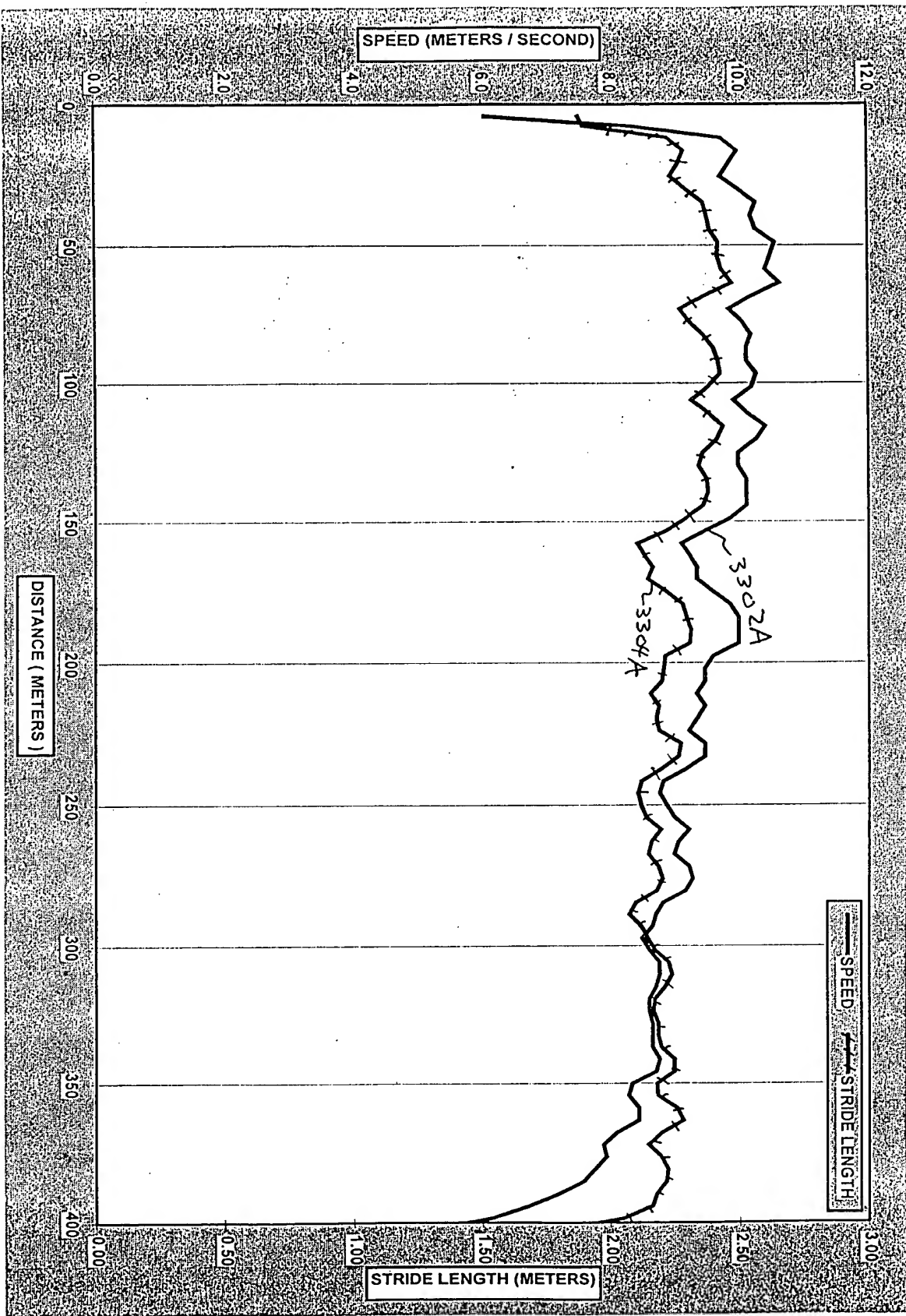


Fig. 33A



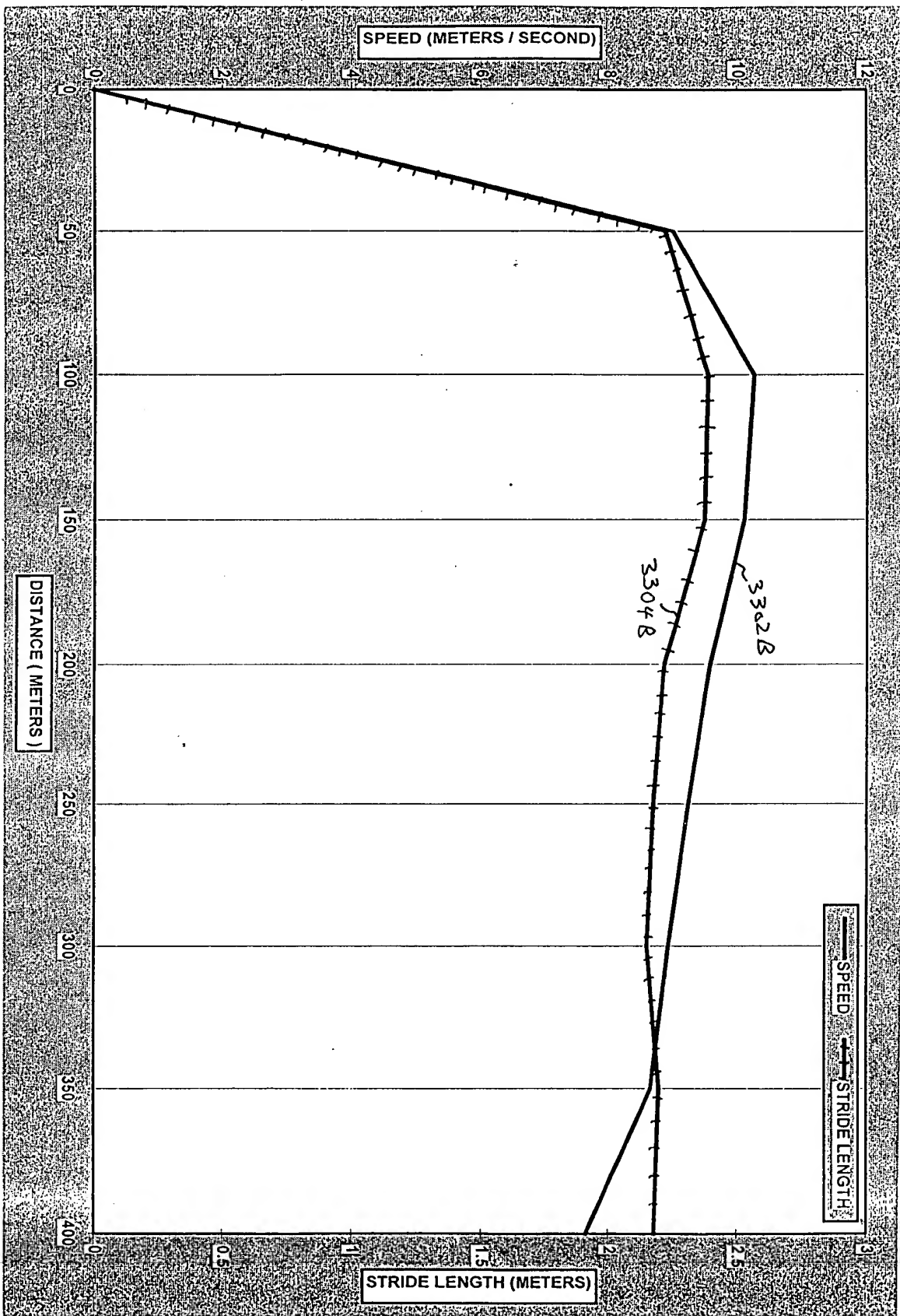


Fig. 338  
8 NVC5

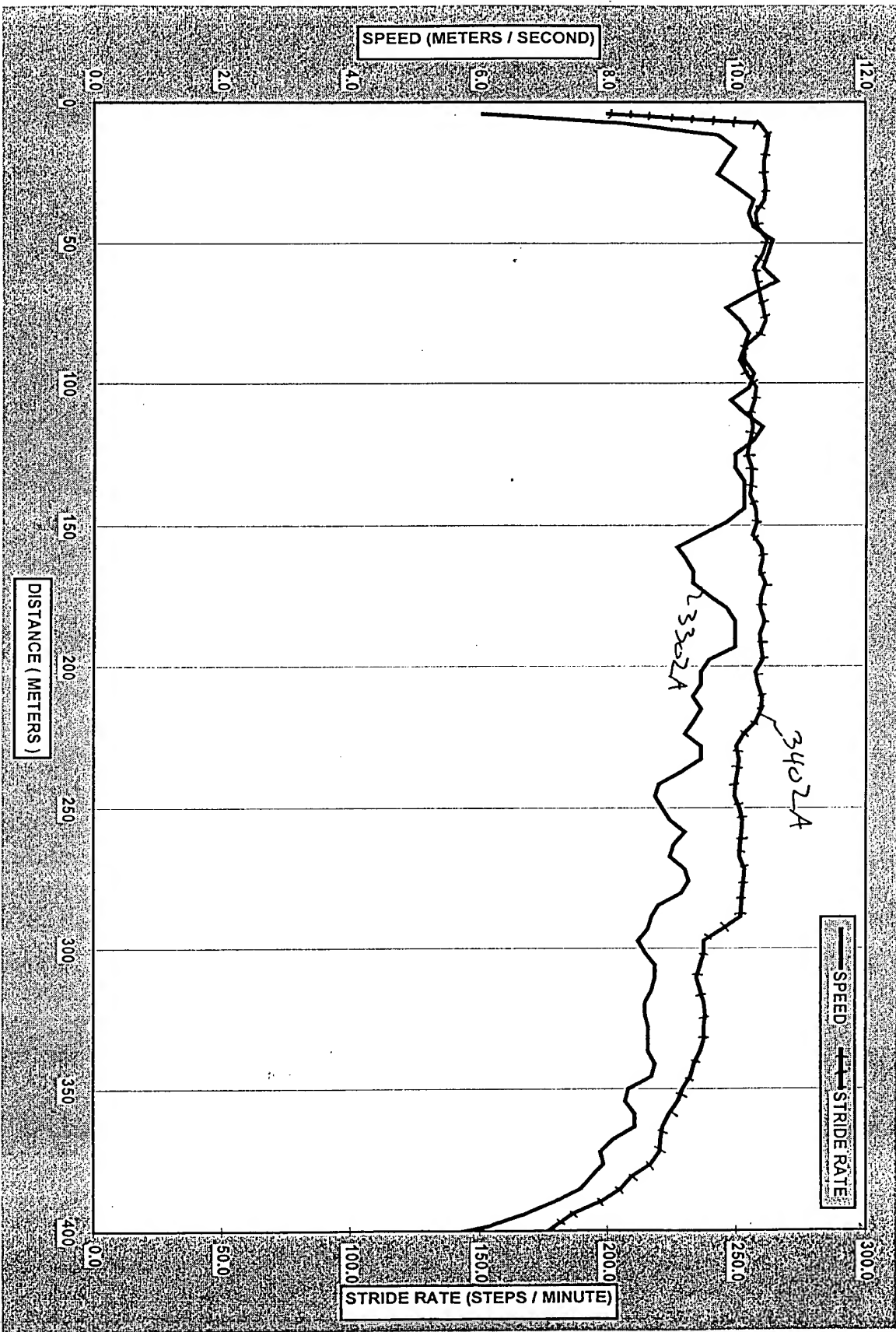


Fig. 34A

8 NACS

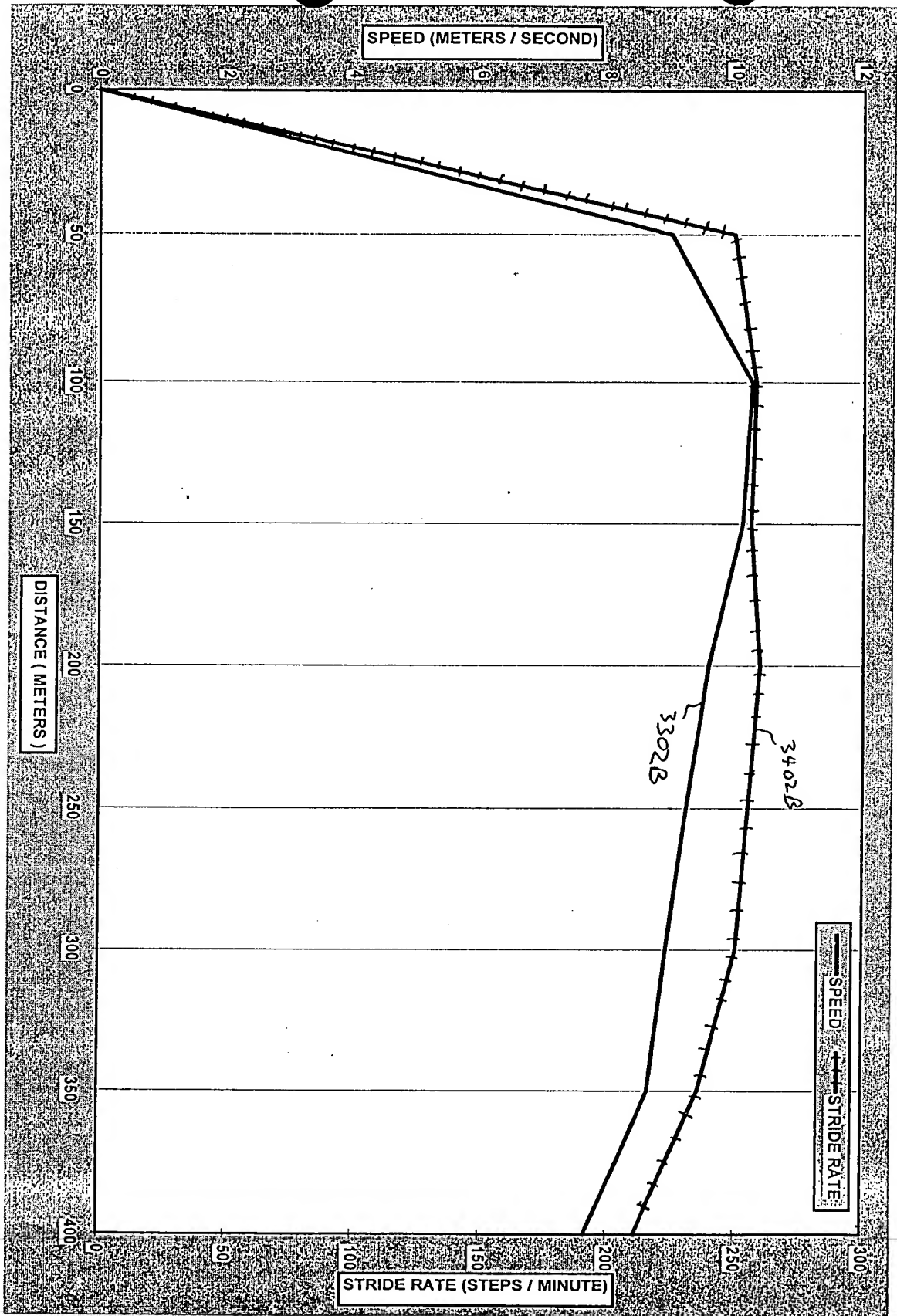


Fig. 34B 8 NIDS

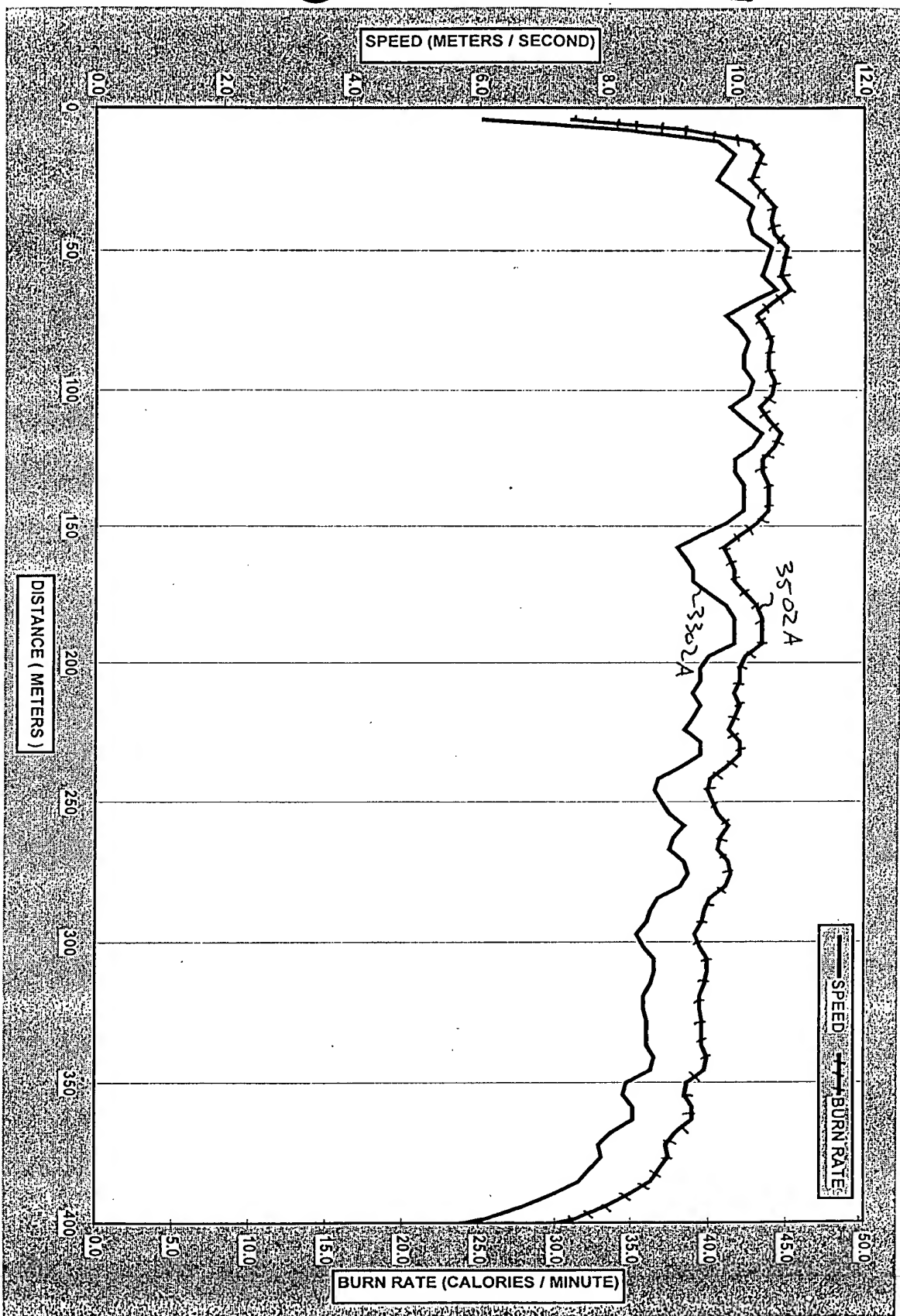


Fig. 354

8 NW33

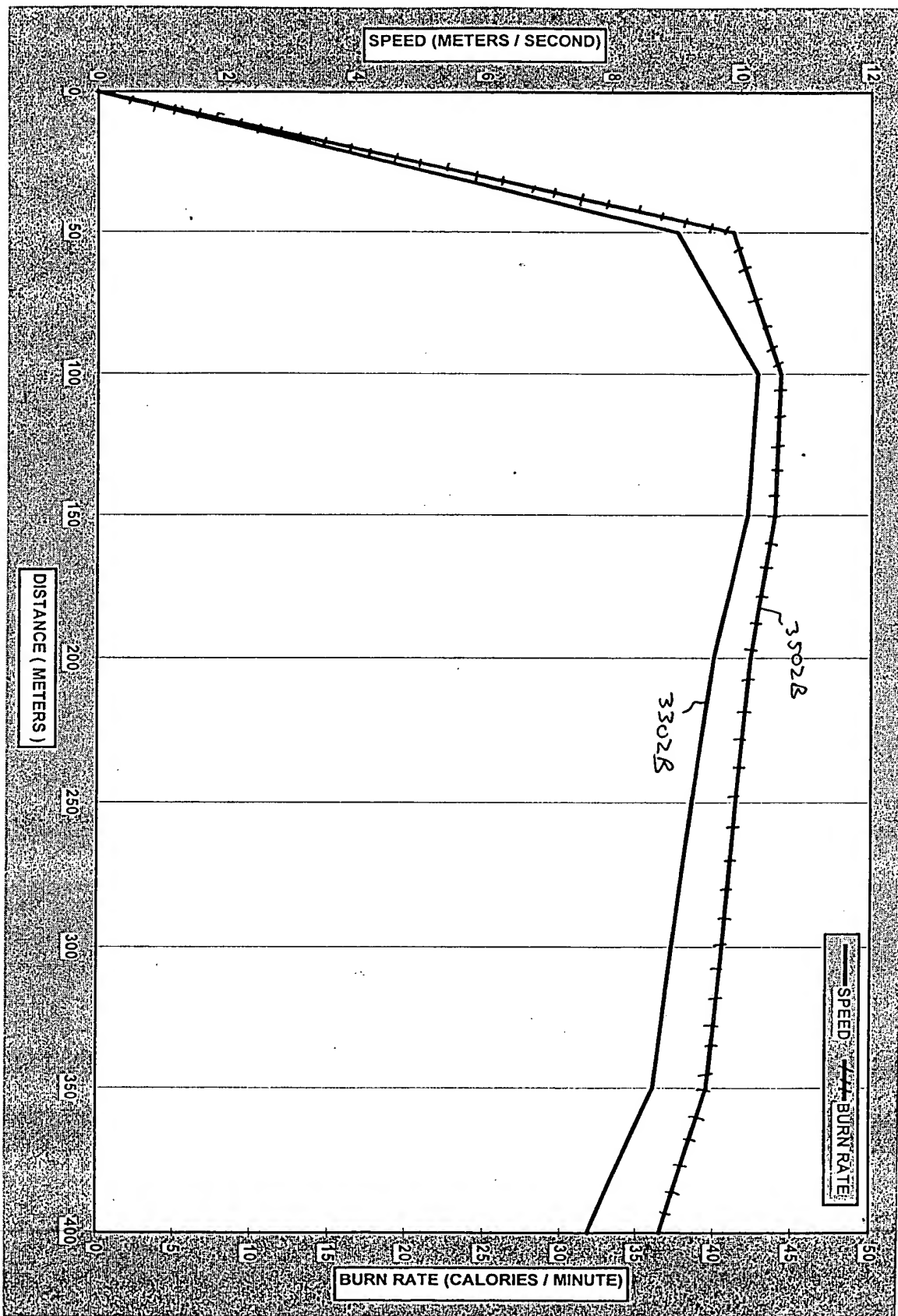


Fig. 358

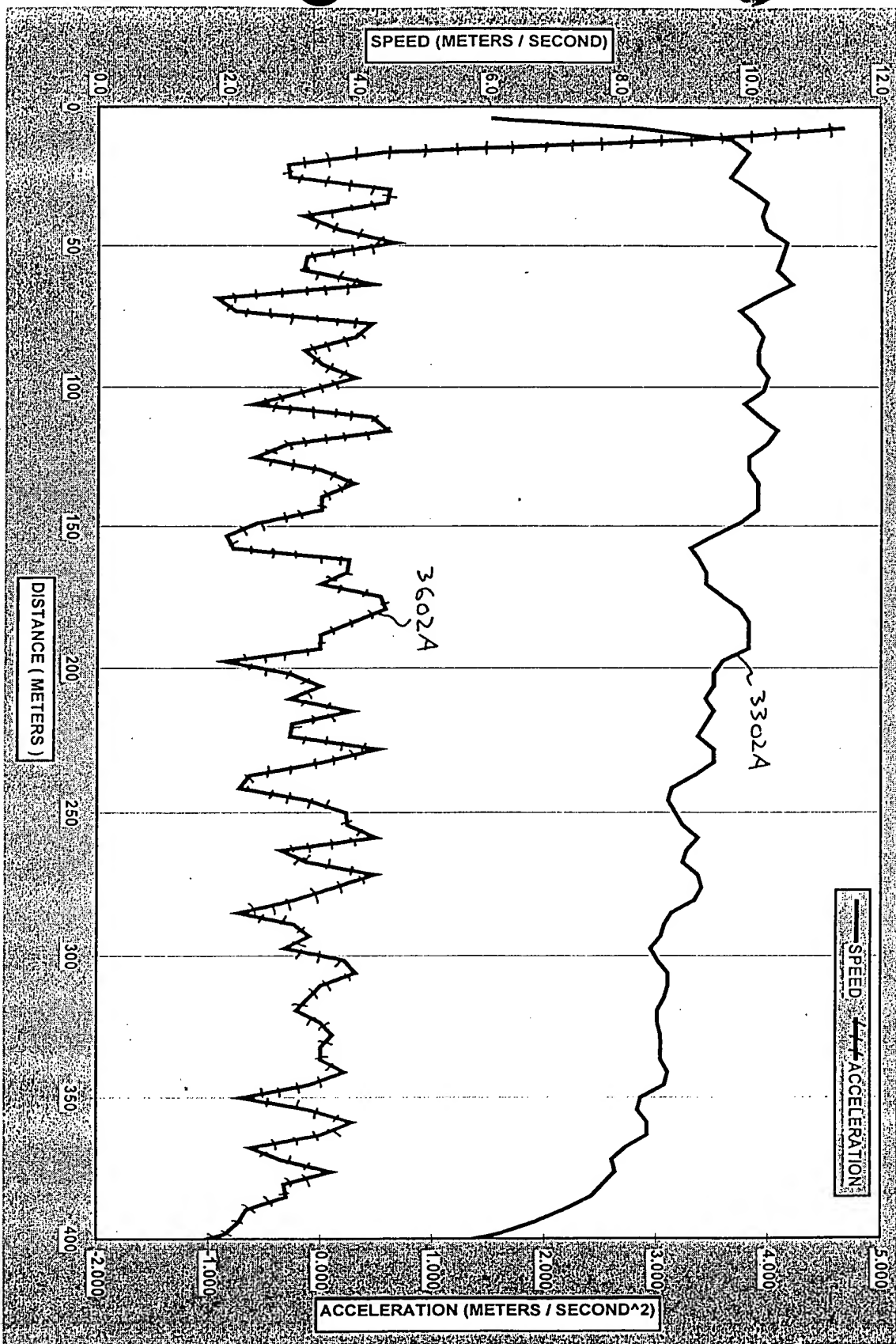


Fig. 364  
8/11/03

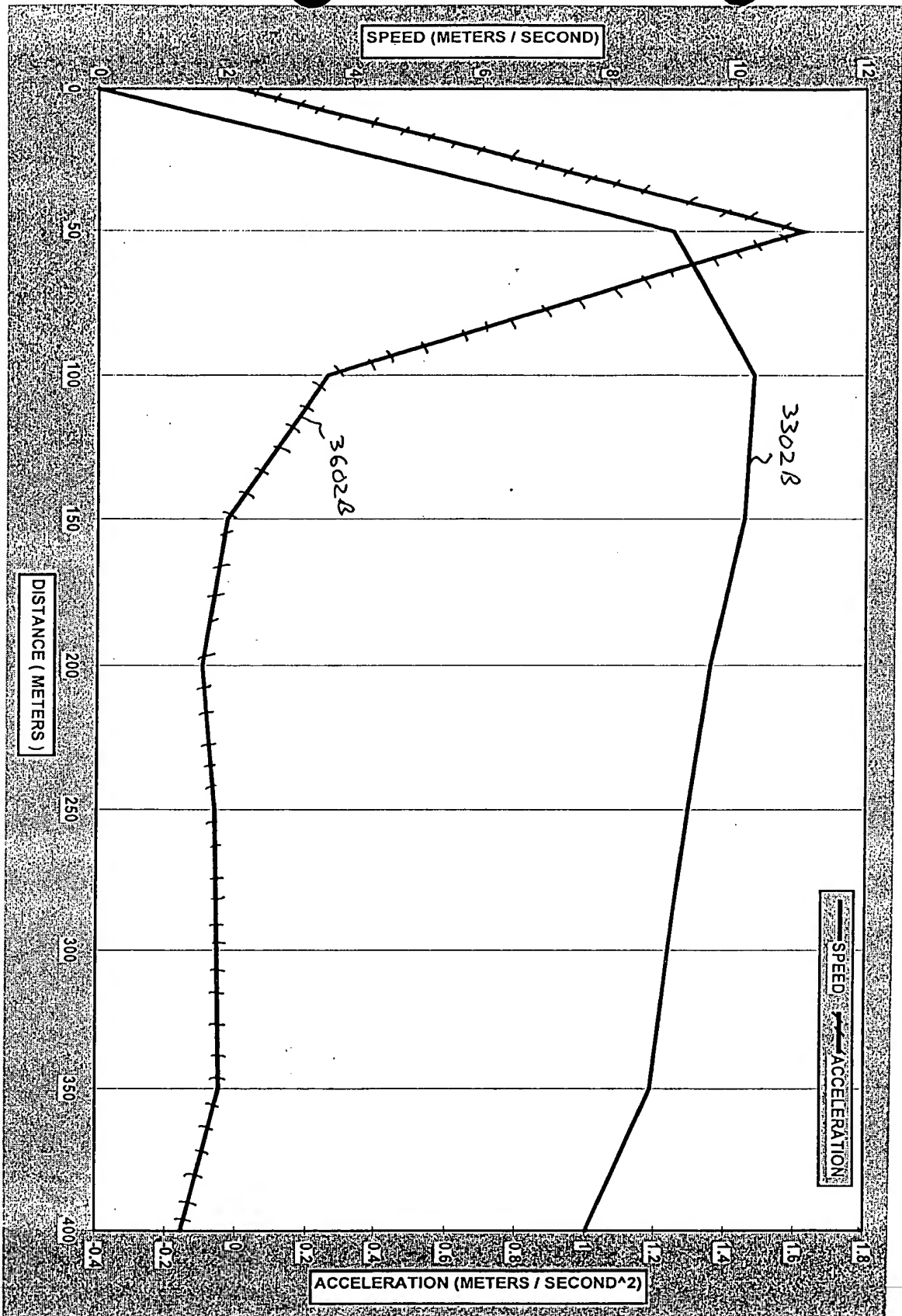


Fig. 368



SPLITS											
Distance	Race Time	Split Time	Average Speed	Average Speed	Average Stride Length	Average Stride Length	Average Stride Rate	Average Burn Rate	Total Calories	Acceleration	
meters	seconds	seconds	meters/second	MPH	meters	feet inches	steps/minute	Calories/minute	Calories	meters/second <sup>2</sup>	
0	0	0	0	0	0	0	0	0	0	0	
50	5.6	5.6	9.0	20.1	2.22	7 3	249.5	41.1	3.7	1.621	
100	10.4	4.9	10.3	22.9	2.39	7 9	257.9	44.2	7.3	0.257	
150	15.4	4.9	10.1	22.6	2.37	7 9	256.1	43.9	10.9	-0.030	
200	20.6	5.2	9.6	21.4	2.22	7 3	259.7	42.3	14.6	-0.100	
250	26.0	5.4	9.2	20.7	2.18	7 1	255.1	41.3	18.3	-0.063	
300	31.6	5.6	8.9	20.0	2.15	7 0	250.4	40.5	22.1	-0.054	
350	37.4	5.8	8.7	19.4	2.20	7 2	236.1	39.6	25.9	-0.048	
400	43.9	6.5	7.6	17.1	2.18	7 1	211.1	36.5	29.9	-0.155	

Fig. 37



Pace Vs. Ts (walking)

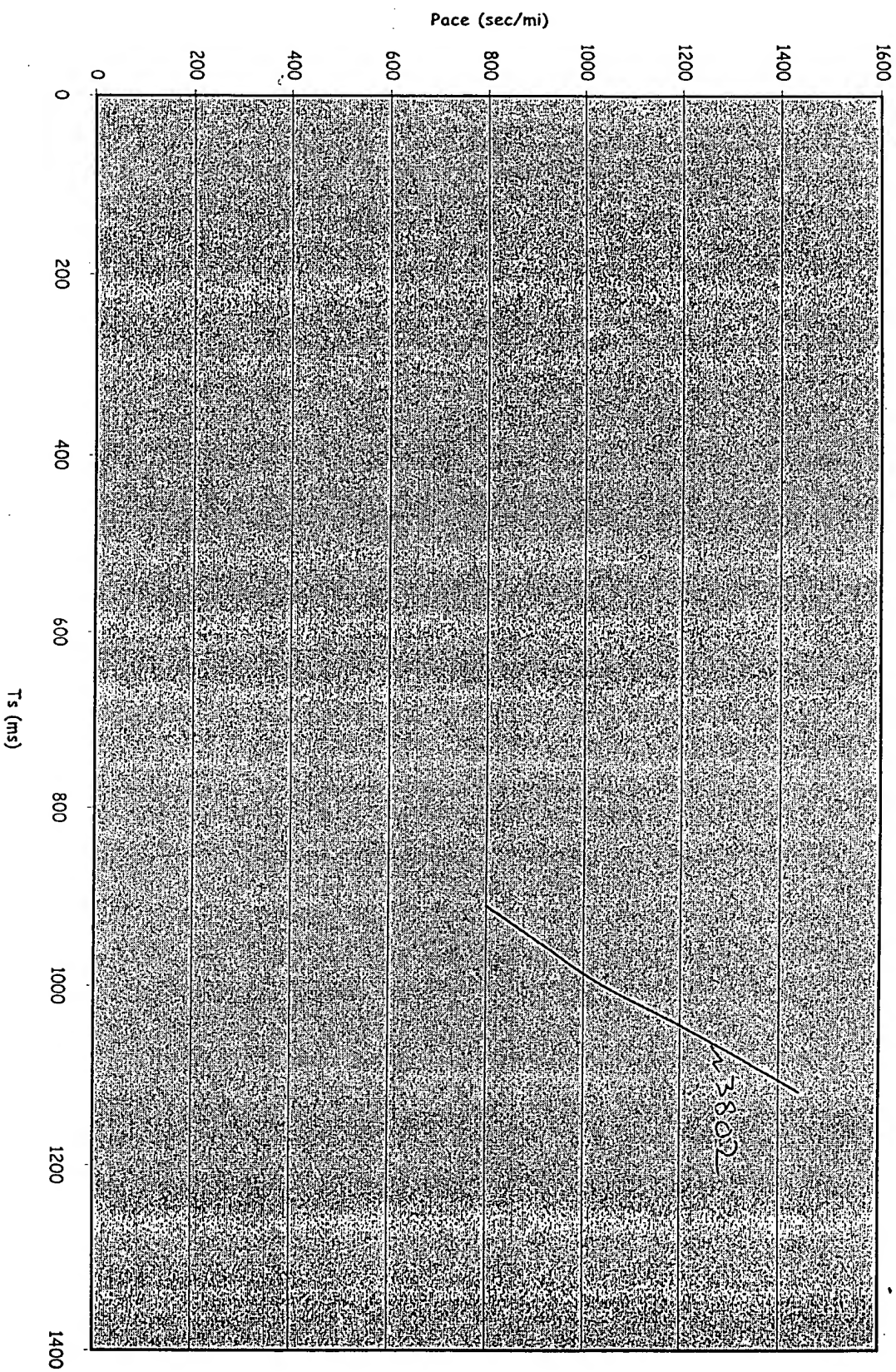
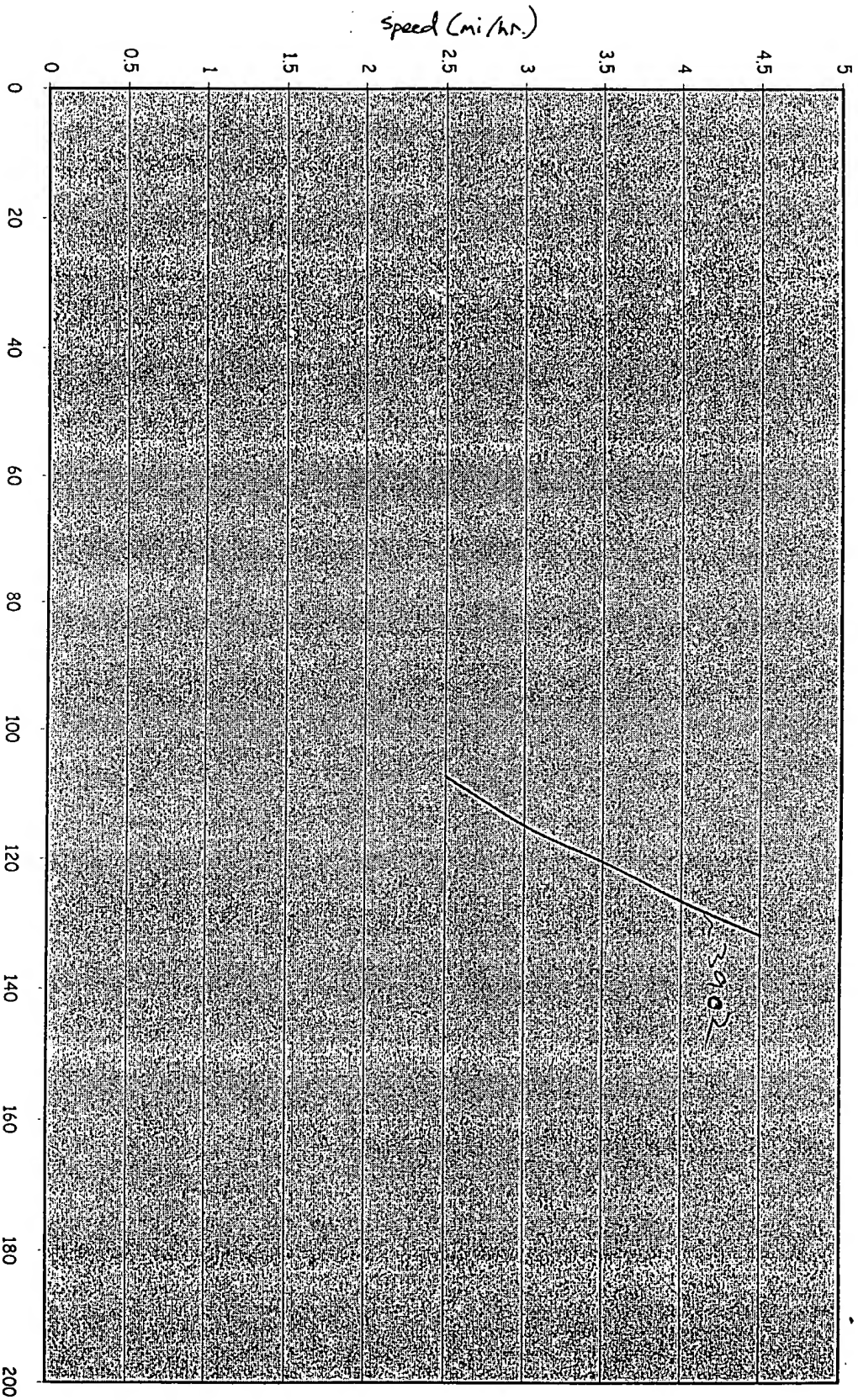


Fig. 38

Speed vs.  $V_T$  (walking)



$V_T$  (cm/s)

Speed (mi/hr)

Fig. 39

8 NWDs

Speed (mph)	Pace (Seconds/Mile)	Tc (ms)	Ts (ms)	Average Ground Force		Steps Per Mile	Stress Per 1/10		Steps Per Minute	Stress Per Minute	
				(lbs)	(lbs)		Mile (lbs)	(lbs)		(lbs)	(lbs)
5	720	302	730	181	17881	986	17881	14901	82	14901	14901
6	600	270	702	195	16667	855	16667	16667	85	16667	16667
7	514	254	676	200	15177	760	15177	17717	89	17717	17717
8	450	234	652	209	14423	690	14423	19231	92	19231	19231
9	400	214	638	224	14019	627	14019	21028	94	21028	21028
10	360	204	618	227	13235	583	13235	22059	97	22059	22059
11	327	190	600	237	12908	545	12908	23684	100	23684	23684

Fig. 40

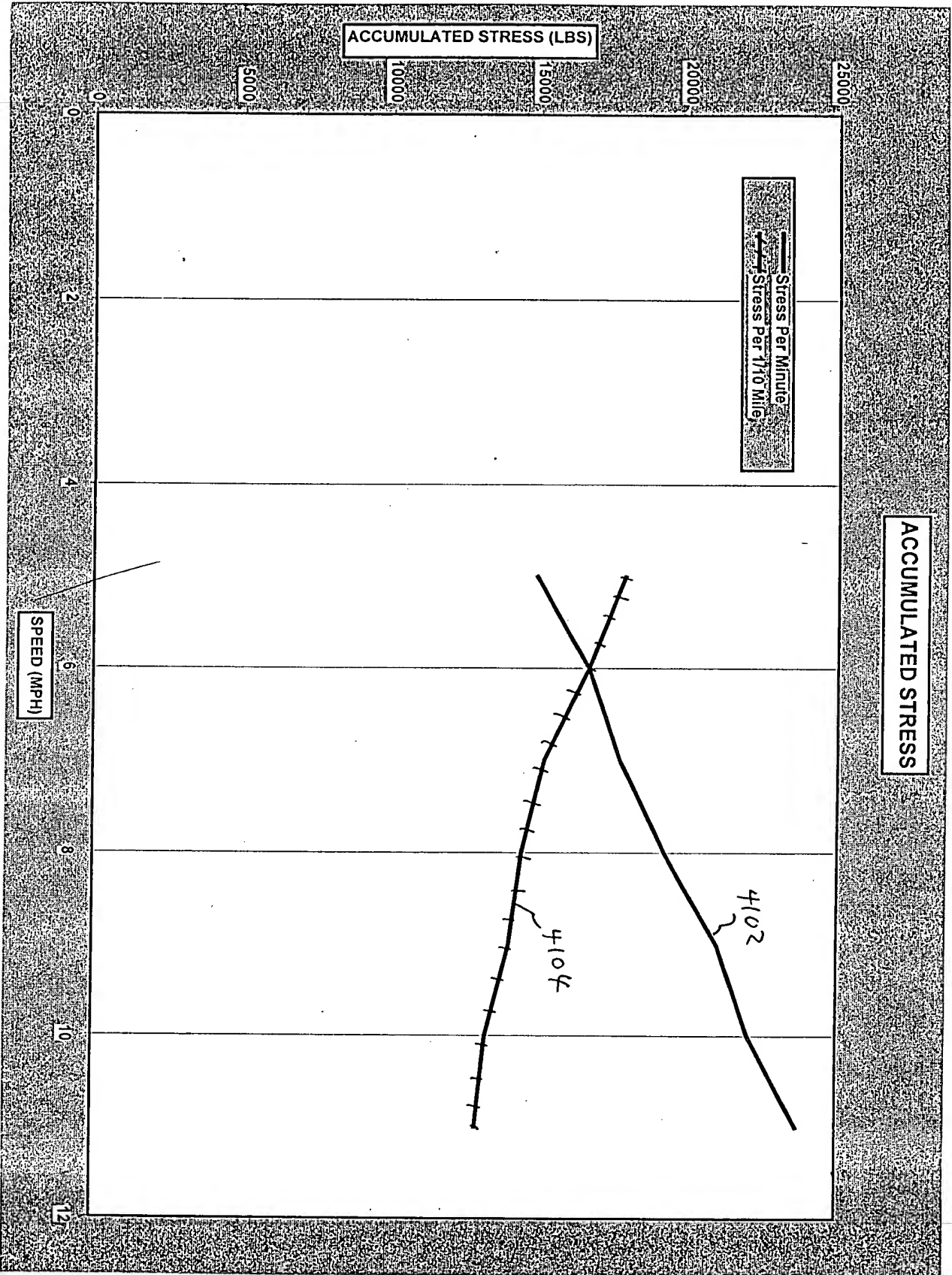


Fig. 41

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